Burahoga Steam Firmace AMERICAN BAILBOAD JOURNAL.

ERICAN RAILROAD JOURNAL,

AND GENERAL ADVERTISER

FOR RAILROADS, CANALS, STEAMBOATS, MACHINERY,

AND MINES.



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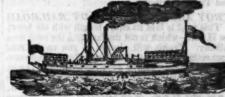
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ESTABLISHED 1831.



PUBLISHED WEEKLY, AT No. 23 CHAMBERS STREET, NEW YORK, AT FIVE DOLLARS PER ANNUM.

SECOND QUARTO SERIES, VOL. II., No. 38.1

SATURDAY, SEPTEMBER 19, 1846.

WHOLE No. 535, Vol. XIX.

BOSTON AND PROVIDENCE RAIL-road. Passenger Notice. Summer Arrange-

ment. On and after Monday, April 6, 1846, the Pas-

day, April 6, 1846, the Passenger Trains will run as follows:

For New York—Night Line, via Stonington, Leaves Boston every day, but Sunday, at 5 p.m.

Accommodation Trains, leave Boston at 7½ a.m. and 4 p.m., and Providence at 8 a.m. and 4½ p.m.

Decham trains, leave Boston at 8 a.m. 12½ m., 3½ p.m., and 6½ p.m. Leave Dedham at 7 a.m. and 9½ a.m. and 9½ a.m. and 9½ a.m. and 5½ p.m.

Stoughton trains, leave Boston at 11½ a.m. and 5½ p.m. Leave Stoughton at 7:20 a.m. and 3½ p.m. All baggage at the risk of the owners thereof.

31 1y

W. RAYMOND LEE, Sup't.

Boston for Haverhill at 7½ and 11½ a.m., 2½, 4½ and 5½ p.m.

All baggage at the risk of the owners thereof. 31 ly W. RAYMOND LEE, Supt.

BRANCH RAILROAD and STAGES CONnecting with the Boston and Providence Railroad. Stages connect with the Accommodation trains at the Foxboro' Station, to and from Woonsocket. At the Seekonk Station, to and from Lonsdale, R. I. via Pawtucket. At the Sharon Statiors, to and from Walpole, Mass. And at Dedham Village Station, to and from Medford, via Medway, Mass. At Providence, to and from Bristol, via Warren, R. I.—Taunton, New Bedford and Fall River cars run in connection with the accommodation trains.

Boston for Haverhill at 7½ and 11½ a.m., 2½, 4½ and p.m.

Boston for Reading at 7½, 9, and 11½ a.m., 2½, 4½, and 9½ a.m., 2½, 4½, and 9½ a.m., and 4½ a.m., and 4½ and 6½ p.m.

Haverhill for Boston at 6½, 8½, and 11 a.m., and 4½ and 6½ p.m.

Reading for Boston at 6½, 8½, and 11 a.m., and 4½ and 6½ p.m.

Reading for Boston at 6½, 8½, and 11 a.m., and 4½ and 6½ p.m.

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Reading for Boston at 6½, 8½, and 11 a.m., and 4½ and 6½ p.m.

Reading for Boston at 6½, 8½, and 11 a.m., and 4½ p.m.

Reading for Boston at 6½, 7½ and 9½ a.m., 12 m., 13 m., 12 m., 14 m., 14 and 11½ a.m., 2½, 4½, and 12 a.m., and 4½ a.m., and 4½ a.m., and 4½ and 6½ p.m.

Haverhill for Boston at 6½, 8½, and 11 a.m., and 4½ a.m., 12 m., 12 m.

NORWICH AND WORCESTER RAIL-Road. Summer Arrangement, commencing

Monday, April 6, 1846. Accommodation Trains, daily, except Sunday. Leave Norwich, at 6 a.m., and 4½ p.m. Leave Worcester, at 10 a.m., and 4½ p.m.

the cars will run as follows:

Leave City Hall for Yorkville, Harlem and Morrianna, at 7, 8, 9, 10 and 11 a. m., and at 1, 2, 3 30, 5, 6, and 6 30 p. m.

Leave City Hall for Foodly and the cars will run as follows:

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The Evening Accommodation Train from Wor- 6 30 p. m. cester connects with the 11 p.m. train from Boston.

New York Train via Long Island Railroad:

Leave Allyn's Point for Boston, about 1 p.m., dai-

Leave Worcester for New York, about 10 a.m., stopping at Webster, Danielsonville, and Norwich. New York Train via Steamboat—Leave Norwich for Boston every morning of the Norwich of Roston every morning of the Norwich of Roston every morning of the Norwich of Roston every morning of the Norwich for Roston every morning of the Norwich of Roston every morning of the Norwich every morni starts Webster, Danielsonville, and Norwich.

Stopping at Webster, Danielsonville, and Norwich.

New York Train via Steamboat—Leave Norwich for Boston, every morning, except Monday, on the arrival of the stamboat from New York, stopping at Norwich and Danielsonville.

Leave Williams' Bridge and Fordham, at 6 45, 45, and 545 p. m.

Leave Williams' Bridge and Fordham, at 6 45, 45, and 545 p. m.

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Leave Williams' Bridge and Fordham, at 6 45, 45, and 545 p. m.

Leave Williams' Bridge and Fordham, at 6 45, 45, and 545 p. m.

Leave White Plains, at 7 and 10 a. m., and at 12 m.

The trains of the Troy and Greenbush railroad connect with all the above trains at Greenbush.

Fare from Boston to Albany, \$5; fare from Spring-field to Boston or Albany, \$5; fare from Spring-field to Boston or Albany, \$5; fire from Spring-field to Boston, Albany, \$75.

Merchandize trains run daily (Sundays excepted) between Boston, Albany, Troy, Hudson, Northamp-inches and Norwich.

Freight Trains daily each way, except Sunday.— Special contracts will be made for cargoes, or large quanties of freight, on application to the superinten-dent.

If Fares are Less when paid for Tickels than when aid in the Cars. III

J W. STOWELL, Sup't.

Summer Arrangement, 1846. On and after April 13, 1846, Passenger Trains will leave daily, (Sundays excepted,) as follows:
Boston for Portland at 7½ a.m. and 2½ p.m.
Boston for Great Falls at 7½ a.m., 2½ and 4½ p.m.
Boston for Haverhill at 7½ and 11½ a.m., 2½, 4½ and on the steamboat.

CHAS. MINOT, Super't.

NEW YORK & HARLEM RAILROAD CO.—Summer Arrangement.

On and after Friday, May 1st, 1846, the cars will run as follows:

Leave City Hall for Fordham and Williams' Bridge, at 7, 10 and 11 a. m., and at 2, 3 30, 5, and

Leave City Hall for Hunt's Bridge, Bronx, Tuc kahoe, Hart's Corners and White Plains, at 7 and 10 a. m., and at 2 and 5 p. m.

in the morning.

On Sundays, the White Plains train will leave the City Hall at 7 a. m. and 5 30 p. m.; will leave White Plains at 7 a. m. and 6 p. m.

On Sundays, the Harlem and Williams Bridge trains will be regulated according to he state of the weather.

Boston and Maine Railroad. Summer Arrangement 1846.

Summer Arrangement 1846.

Summer Arrangement 1846.

FOR PASSENGERS—
Leave New York at 7 A. M. and 4 P. M.

"Middletown at 6½ A. M. and 5½ P. M.
FARE REDUCED to \$1 25 to Middletown—way in proportion. Breakfast, supper and berths can be had

BOSTON AND ALBANY.—WESTERN RAILROAD.—Fare Reduced.

D RAILROAD.—Fare Reduced.

1846. Spring Arrangement. . 1846

Passenger trains leave daily, Sundays excepted—
Boston 7½ p. m. and 4 p. m. for Albany.
Albany 6½ " and 2½ " for Boston.
Springfield 7 " and 1 " tor Albany.
Springfield 7 " and 1½ " for Boston.
Boston, Albany and Troy:
Leave Boston at 7½ a. m., arrive at Springfield at 12 m., dine, leave at 1 p. m., and reach Albany at 6½ p. m.

64 p. m. Leave Boston at 4 p. m., arrive at Springfield at 8 p. m., lodge, leave next morning at 7, and arrive at Albany at 124 m.

Leave Albany at 6‡ a. m., arrive at Springfield at ½ m., dine, leave at 1½ p. m., and arrive at Boston 6½ p. m.

ton, Hartford, etc.
For further information apply to C. A. Read, agent, 27 State street, Boston, or to S. Witt, agent, Albany.

JAMES BARNES, Superintent and Engineer.

Western Railroad Office, Springfield, April 1, 1846. 14 1y ROY RAILROADS.—IMPORTANT NO- NEW RAILROAD ROUTE FROM BUFcontinuous track from Boston

to Buffalo and Saratoga Springs, This road is new, and laid with the heaviest iron H rail. Trains will always be run on this road conrail. Trains will always be run on this road connecting at Greenbush each way with the trains to
and from Boston and intermediate places, leaving
Greenbush daily at 1½ p.m. and 6 p.m., or on arrival of the trains from Boston; leave Troy at 7½ a,
m. and 4½ p.m., or to connect with trains to Boston
Trains also run hourly on this road between Troy
and Albany. Running time between Greenbush
and Troy, 15 minutes.

TROY AND SCHENECTADY RAILROAD. This road is laid its entire length with the heavi-est H rail—which is not the fact with the road from est H rail—which is not the fact with the road from Albany. Trains will always be run on this road connecting each way, to and from Buffalo and intermediate places. Leave Troy for Buffalo at 7½ a.m. and 1 p.m. and 6½ p.m., or to connect with the trains for the west; leave Schenectady at 2½ a.m., 8½ a.m., 1 p.m. and 3½ p.m., or on arrival of the trains from Buffalo and intermediate places.

TROY AND SARATOGA RAILROAD. THE ONLY DIRECT ROUTE.

No change of passenger, baggage or other cars on this route. Cars leave Troy for Ballston, Saratoga Springs, Lake George and White Hall at 7½ a.m., (arriving one hour in advance of the train from Albany,) and at 3½ p.m. Returning, leave Saratoga at 9 a.m. and 3½ p.m., (reaching Troy in time tor the evening boats to New York.) Cars also leave Troy for the Burrough at 3½ p.m. and 7 p.m., connecting with packet boats for the north. This takes passengers from New York and Boston to Montreal in 44 hours.

N.B. Travellers will find the routes through Troy most convenient and economical, and as expeditious most convenient and economical, and as expeditious as any other. The steamboats to and from New York land within a few steps of the railroad office, and passengers are taken up and landed by the different railroad lines at the doors of principal hotels, thus saving all necessity for, and annoyance from, hack drivers, cabmen, runners, etc.

Aug. 3, 1846.

1y 32

THE BEST RAILROAD ROUTE TO THE Lake and Buffalo, from Cincinnati.

Take Cars to Mans-

field, 88 miles; thence by Cars to Sandusky, 56 miles to the Lake; thence Steamboat to Buffalo, 230

Fare by this route, although the cheapest across the state, will be reduced in a short time, railroad lengthered, and speed increased.

Leave Cincinnati in the morning, arrive at Co lumbus at night.

Leave Columbus in the morning, arrive at San-

Leave Columbus in the morning, arrive at Sandusky same day.

Leave Sandusky, by Boat, in the morning, arrive at Buffalo next morning in time for the Cars north and east for Niagara Falls, Canada, Saratoga Springs, Troy, Albany, Boston, New York, Washington, or Philadelphia.

Passengers should not omit to pay their fare through from Cincinnati to Sandusky, or from Columbus to Sandusky via Mansfield; as this route is the only one that secures 56 miles [this road is run over in 2h. 50m.,] most railroad which is new, and is the shortest, cheapest and most expeditious across the state.

Fares on the New York railroads are about to be duced.

B. HIGGINS, Sup't, etc.

M. 4. S. C. R. R. Co. reduced.

Saudusky, Ohio.

RAILROAD IRON.—THE "MONTOUR Iron Company," Danville, Pa., is prepared to execute orders for the heavy Rail Bars of any pattern now in use, in this country or in Europe, and equal in every respect in point of quality. Apply to MURDOCK, LEAVITT & CO., Agents.

1. Color and Greenwich Sts. 48 ly

Corner of Cedar and Greenwich Sts,

Passengers destined for Columbus and Cincinnati, O., Louisville, Ky., St. Louis, Mo., Memphis, Tenn., Vicksburg, Natches, New Orleans, and all intermediate ports, will find a new, and the most expeditions and comfortable Route, by taking Steamboats at Buffalo, landing at Sandusky City, Ohio, disabase. from thence by Cars, over the Mansfield Railroad which is new and just opened . 230 miles.

[laid with heavy Iron,] to Mansfield, 56 hence by Stage via Columbus to Xenia over gravel and Macadamized Road, (the best in the state,) in new coaches, from Xenia to Cincinnati, distance 65

TIME.

Passengers should not omit to pay their fare through from Sandusky City to Cincinnati and take receipts availing themselves of the benefit of a contract existing between the said Railroad and Stage Co's, securing 121 miles travel by good Railroad and 88 miles by

Stage, in crossing from Lake Erie to the Ohio river, in the space of 30 hours.

Passengers destined for St. Louis, or any point below on the Mississippi, will save by taking this route, from 4 to 6 days time and travel, and nearly half the expense, over the Chicago and Peoria route

to the above places.

Fare by this route, although the cheapest, will in a short time be reduced, Railroad lengthened, and speed increased.

B. HIGGINS, Sup't, etc. M. & S. C. R. R. Co.

Sandusky City, Ohio. BALTIMORE AND OHIO RAILROAD.

MAIN STEM. The Train carrying the

Great Western Mail leaves Baltimore every morning at 7½ and Cumberland at 8 o'clock, passing Ellicott's Mills, Frederick, Harpers Ferry, Martinsburgh and Hancock, conncting daily each way with—the Washington Trains at the Relay House seven miles from Baltimore, with the Winchester Trains at Harpers Ferry—with the various railroad and steamboat lines between Baltimore and Philadelphia and with the lines of Post Coaches between Cumberland and Wheeling and the fine Steamhoats on and with the lines of Post Coaches between Cumberland and Wheeling and the fine Steamboats on the Monongahela Slack Water between Brownsville and Pittsburgh. Time of arrival at both Cumberland and Baltimore 5½ P. M. Fare between those points \$7, and 4 cents per mile for less distances. Fare through to Wheeling \$11 and time about 36 hours, to Pittsburgh \$10, and time about 32 hours. Through tickets from Philadelphia to Wheeling \$13, to Pittsburgh \$12. Extra train daily except Sundays from Baltimore to Frederick at 4 P. M., and from Frederick to Baltimore at 8 A. M.

and from Frederick to Baltimore at 8 A. M.

WASHINGTON BRANCH.

Daily trains at 9 A. M. and 5 P. M. and 12 at night from Baltimore and at 6 A. M. and 5½ P. M from Washington, connecting daily with the lines North, South and West, at Baltimore, Washington and the Relay house. Fare \$1 60 through between Baltimore and Washington, in either direction, 4 cents per mile for intermediate distances. \$13y1

RAILROAD IRON.

Tons 2½ x ‡ Flat Bar Railroad Iron.

" 1½ x ½ " " " "

" 15 " 1 x ½ " " " " "

with Spikes and Plates, for sale by

A. &. G. RALSTON & CO.,

1m30 4 South Front st., Philadelphia: RAILROAD IRON. 49 ly 1m30

BALTIMORE AND SUSQUEHANNA Railroad.—Reduction of Fare. Morning and Afternoon Trains between Balti-FARE. Fare to York.... " Wrightsville ... 2 00
" Columbia ... 2 12
Way points in proportion.

PITTSBURG, GETTYSBURG AND
HARRISBURG. Through tickets to Pittsburg via stage to Har-In connection with the afternoon train at 31 o'clock, a horse car is run to Green Spring and Owing's

EXINGTON AND OHIO RAILROAD.

Trains leave Lexington for Frankfort daily, at 5 o'clock a.m., and 2 p.m.

Trains leave Frankfort for Lexington daily, at 8 o'clock a.m. and 2 p.m. Distance, 28 miles. Fare \$1.25.

On Sunday but one train, 5 o'clock a.m. from Lexington and 2 clocks a.m. from Frankfort

Lexington, and 2 o'clock p.m. from Frankfort.

The winter arrangement (after 15th September to 15th March) is 6 o'clock a.m. from Lexington, and

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ma. 9. from Frankfort, other hours as above.

SOUTH CAROLINA RAILROAD.---A
Passenger Train runs daily from Charleston, on the arrival of the boats from Wilmington, N. C., in connection with trains on the Georgia, and Western and Atlantic Railroads—and by stage lines and steamers con-nects with the Monigomery and West Point, and the Tuscumbia Railroad in N. Alabama.

Fare through from Charleston to Montgomery daily

ceive merchandize consigned to their order, and to forward the same to any point on their road; and to the different stations on the Georgia and Western and Atlantic railroad; and to Montgomery, Ala., by the West Point and Montgomery Railroad. 1y25 JOHN KING, Jr, Agent.

CENTRAL RAILROAD-FROM SAVAN-nah to Macon. Distance 190 miles. This Road is open for the trans-

This Road is open for the transportation of Passengers and Freight. Rates of Passage, \$8 00. Freight—On weight goods generally... 50 cts. per hundred. On measurement goods... 13 cts. per cubic ft. On brls, wet (except molasses

MANUFACTURE OF PATENT WIRE
Rope and Cables for Inclined Planes, Standing Ship Rigging, Mines, Cranes, Tillers etc., by
JOHN A. ROEBLING, Civil Engineer,
Page 1981

These Ropes are in successful operation on the planes of the Portage Railroad in Pennsylvania, on the Public Slips, on Ferries and in Mines. The first rope put upon Plane No. 3, Portage Railroid, has now run 4 seasons, and is still in good condition.

CENTRAL AND MACON AND WESTern Railroads, Ga.—These Roads with the
Western and Atlantic Railroad
of the State of Georgia, form a
continuous line from Savannah to Oothcaloga, Ga.,
of 371 miles, viz:

THE WESTERN AND ATLANTIC
Railroad.—This Road is now in operation to
Oothcaloga, a distance of 80 miles, and connects
daily (Sundays excepted) with the Georgia Railroad.
From Kingston, on this road, there is a tri-weekly
line of stages, which leave on the arrival of the cars
of 371 miles, viz:

Miles.

Miles.

The lands have been carefully selected by one of
the owners with a view to the interest and convects
on the Maramec River and its tributaries, embracing
the best bottom lands and water powers. The following detatched tracts, comprized in the above
quantity, were selected for the advantages they pos-and Councaioga, at the following rat
On Weight Goods—Sugar, Coffee, Liquor, Bagging, Rope,
Batter, Cheese, Tobacco,
Leather, Hides, Cotton
Yarns, Copper, Tin, Bar &
Sheet Iron, Hollow Ware &
Castings Dot

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Western and Atlantic Railroad now forms a continuous line, 388 miles in length, from Charleston to Oothcaloga on the Oostenanla River, in Cass Co.,

Rates of Freight, and Passage from Augusta to Ooth-

On Boxes of Hats, Bonnets, and Furniture

Passengers to Atlanta, head of Ga. Railroad, \$7.
German or other emigrants, in lots of 20 or 1 ROLLING MILL for Rolling Blooms into Bars and Plates;

any of these places.

CHAS. F. M. GARNETT,

Atlanta, Georgia, April 16th, 1846.

ITTLE MIAMI RAILROAD.—1846.— Summer Arrangement,
Two passenger trains daily.

Two passenger trains daily.

Two passenger trains daily.

Two passenger trains will be run—leaving Cincinnati daily (Sundays excepted) at 9 a. m. and 1½ p. m. Returning, will leave Xenia at 5 o'clock 50 min. a. m., and 2 o'clock 40 min. p.m.

On Sundays, but one train will be run—leaving Cincinnati at 9, and Xenia at 5 50 min. a. m.

Both trains connect with Neil, Moore & Co.'s daily line of stages to Columbus, Zanesville, Wheeling, Cleveland, Sandusky City and Springfield.

Tickets may be procured at the depot on East Front street.

Front street.

The company will not be responsible for baggage beyond fifty dollars in value, unless the same is reported to the same is really and fraight paid to turned to the conductor or agent, and freight paid at the rate of a passage for every \$500 in value above that amount.

W. H. CLEMENT,
Superintendent.

MARAMEC IRON WORKS FOR SALE.
By Authority of a power of the sale. ARAMEC IRON WORKS FOR SALE.

By Authority of a power of Attorney from Messrs. Massey and James, I will sell at Public Auction, at the Court House in the city of St. Louis, on MONDAY, the 2nd day of November next, the above named valuable IRON WORKS—together with 8,000 ACRES OF LAND, more or less, on which there are several valuable and productive Farms oven and in outlination.

open and in cultivation.

The Maramec Iron Works are situated at the Maramec Big Spring, in Crawford Co., Mo., and consist of 1 BLAST FURNACE; 1 AIR FURNACE; 1 REFINING FORGE, with large Hammer for making Blooms and Anchonies;
2 CHEFFERY FORGES for Drawing Bar Iron;

183½ ACRES in T. 40 N. of R. 8 W. in Sec. 3, near Wherry's Mill, in Osage Co.; entered to secure a very valuable Mill power on the Branca Spring and a good landing on the Gasconade River.

80 ACRES on Benton's Creek, 12 miles from the Works; entered to secure an extensive and val-

works; entered to secure an extensive and val-uable Ore Bank 21 miles from the Maramec, at a point where there is ample water power.

320 ACRES in T. 38 N. of R. 4 W. in Sec. 22 and 28, affording an extensive and valuable water power on the Maramec river.

160 ACRES in T. 37 N. of R. 3 W. in Sec. 4, embraces two inexhaustible and valuable Ore Banks and is 14 miles from Water power sufficient for a furnace and Grist Mill, and is distant 6 miles from the above site on the Maramec.

30 ACRES in T. 37 N. of R. 8 W. in Sec. 33, including an extensive bank of excellent Ore, and distant 14 miles from water power on the waters of the Gasconade River, in Pulaski Co., sufficient for Furnace and Mills. All those Banks are of the same kind as the one at the Works, and deemed inexhaustible.

LOT, containing nearly one Acre, on the South Bank of the Missouri River, 4 Miles above the town of Hermann, purchased for a warehouse and landing, and is one of the best landings on the

W. H. CLEMENT,
Superintendent.

19 Western MAIL LINE! VIA
Supply of wood and coal, for fences, building and other purposes. There are on the land valuable quarries of Limestone well adapted for Fluxes for building. There are also on the land a great number the finest kind of Springs. A large portion of Corn and other crops. The Works are situated in a very pleasant and healthful part of the counting Richmond in eleven, Petersburg in thirteen and a half hours, and Charleston, S. C., in two days from Baltimore.

19 Western AND ATLANTA—171 MILES.

AND WESTERN AND ATLANTA—171 MILES.

This Road in connection with the South Carolina Railroad and Western and Atlantic Railroad and Western and Atl

A further description of the property at this time is considered unnecessary, as those wishing to purchase will no doubt view the property, which will be shown by the Agent, residing at the works.

The terms of payment required will be one-third of the purchase money in hand and the balance in three canal annual payments secured by mortages.

three equal annual payments, secured by mortgage on all the property.

A more particular description of the property will be given, and further conditions of the sale made known, on the day of sale.

JNO. F. Armstrong, Agent.

St. Louis, Lune 6, 1846.

St. Louis, June 6, 1846.

The Louisville, (Ky.,) Journal, Cincinnati Gazette, Tribune (Portsmouth, O.,) Nashville Whig, Pittsburg Gazette, National Intelligencer, United States Gazette, (Phila.) Railroad Journal (N. Y.,) and Boston Atlas, will publish the above once a week until the 20th day of October next, and send bills to this office for settlement, and mark price on 18125

Passengers to Atlanta, head of Ga. Railroad, \$7. German or other emigrants, in lots of 20 or more, will be carried over the above roads at 2 cents per mile.

Goods consigned to S. C. Railroad Co. will be forwarded free of commissions. Freight may be paid at Augusta, Atlanta, or Oothealoga.

J. EDGAR THOMSON, Ch. Eng. and Gen. Agent.

Augusta, Oct. 21 1845

OILER IRON.—55 TONS ASSORTED Boiler Iron, Nos. 3, 4 and 5, and of widths of 26, 32 and 35 inches, random lengths, in store, and 526, 32 and 36 inches, random lengths, in store, and 1830 Manual A South Front st., Philadelphia.

BACK VOLUMES OF THE RAILROAD DIAGRAM AND 1 GRIST MILL,

ACCIDING MILL for Rolling Blooms into Bars and Plates;

1 SAW AND 1 GRIST MILL,

All within 300 Yards of the head of the spring. There are 2 large frame Coal Houses, and all other Buildings necessary, such as Shops and Houses for the workmen.

This Spring is one of the largest in Missouri, discharging at the lowest time 7,000 cubic feet of water per minute. The Ore Bank from which the Ore has been heretofore taken is about 600 yards from the furnace; it is the Specular Iron Ore, the best for making Bar Iron, and the quantity inexhaustible.—

It is an Iron Mountain, 400 feet above the level of the Maramec River; the ore is entirely uncovered, and there is an easy descent and a good road from it to the furnace.

PACK VOLUMES OF THE RAILROAD Hambers street



RICH & CO'S IMPROV-ED PATENT SALA-MANDER SAFES.

Warranted free from damp ness, as well as fireand thief

Particular attention is invited to the following certificates, which speak for themselves:

Mississippi.

On the morning of the 14th ult., the store owned and occupied by me in this city, was, with its contents, entirely consumed by fire. My stock of goods consisted of oil, rosin, lard, pork, sugar, molasses, liquors, and other articles of a combustible nature, in the midst of which was one of Rich's Improved Patent Salamander Safes, which I purchased last which received. Patent Salamander Safes, which I purchased last October of Mr. Isaac Bridge, New Orleans, and which contained my books and papers. This safe was red hot, and did not cool sufficiently to be opened until 16 hours after it was taken from the ruins. At the expiration of that time it was unlocked, when its contents proved to be entirely uninjured, and not even discolored. I deem this test sufficient to show that the high reputation enjoyed by Rich's Safes is S. C. FIELD. well merited. Vicksburgh, Miss., March 9th, 1846.

Certificate from Judge Battaile, of Benton, Mississippi.
In October last I purchased one of Rich's Improved
Salamander Safes, which was in the fire at the burning of my law office, and several adjoining buildings in this place, on the 17th of November last, at about half-past one o'clock A. M. of that day.

The building was entirely consumed, and I take

The building was entirely consumed; and I take pleasure in stating that my papers in said safe were preserved without injury. A receipt book which was in said safe, had the glue drawn out of its leather back by the heat, and the back broken; but the leaves of the book, and the writing thereon, were entirely uninjured; and some of the writing which entirely uninjured; and some of the writing which was of blue ink, was also left wholly uneffaced and not in the least faded. Said safe was by the fire heated perfectly red hot, and I do not hesitate to say, that said safe is a perfect security against fire. But the safe tumbled over during the fire, and being heated red hot, the outer sheeting of the door became pressed in, and the bolts of the lock bent, so that it could not be unlocked, and I had to have it broken JOHN BATTAILE.

open.

Benton, Miss., December 27,1845.

Still other Tests in the Great Fire of July 19, 1845.

The undersigned purchased of A. S. Martin, No. 1381 Water street, one of Rich's Improved Patent Salamander Safes, which was in our store, No. 54

Exchange place. The store was entirely consumed in the great conflagration on the morning of the 19th inst. The safe was taken from the ruins 52 hours after and on opening it the books and papers were after, and on opening it, the books and papers were found entirely uninjured by fire, and only slightly wet—the leather on some of the books was parched

wet—the leather on some of the books was perched by the extreme heat. RICHARDS & CRONKHITE.

New York, 21st July, 1845.

One of Rich's Improved Salamander Safes, which I purchased on the 2d of June last of A. S. Marvin, 1381 Water street, agent for the manufacturer, was exposed to the most intense heat during the late dreadful conflagration. The store which I occupied, No. 46 Broad street, was entirely consumed; the safe fell from the 2d story, about 15 feet, into the celar, and remained there 14 hours, and when found, I am told, and from its appearance afterwards, should indee that it had been heated to a red heat. On am told, and from its appearance atterwards, should judge that it had been heated to a red heat. On opening it, the books and papers were found not to have been touched by fine I deem this ordeal sufficient to confirm fully the reputation that Rich's safe has already obtained for preserving its contents against all hazards. (Signed.)

WM. Bloodgood.

New York, 21st July, 1845.

The above safes are finished in the neatest manner, and can be made to order at short notice, of any size and pattern, and fitted to contain plate, jewelry, etc. Prices from \$50 to \$500 each. For sale by

A. S. MARVIN, General Agent,
1381 Water st., N. Y.

Also by Isaac Bridge 76 Magazine street, New Orleans.

Orleans.
Also by Lewis M Hatch, 120 Meeting street

CUSHMAN'S COMPOUND IRON RAILS etc. The Subscriber having made important improvements in the construction of rails, mode of guarding against accidents from insecure joints, etc.

—respectfully offers to dispose of Company, State
Rights, etc., under the privileges of letters patent to
Railroad Componies, Iron Founders, and others interested in the works to which the same relate. Companies reconstructing their tracks now have an op-

ed under his advice or personal supervision. Ap-attention. ANDREW C. GRAY, altertions must be nost paid. plicaitons must be post paid.

RAILROAD IRON AND LOCOMOTIVE
Tyres imported to order and constantly on hand
A. & G. RALSTON
Mar. 20tf
4 South Front St., Philadelphia.

THE NEWCASTLE MANUFACTURING THE NEWCASTLE MANUFACTURING Company continue to furnish at the Works, situated in the town of Newcastle, Del., Locomotive and other steam engines, Jack screws, Wrought iron work and Brass and Iron castings, of all kinds connected with Steamboats, Railroads, etc.; Mill Gearing of every description; Cast wheels (chilled) of any pattern and size, with Axles fitted, also with wrought tires, Springs, Boxes and bolts for Cars; Driving and other wheels for Locomotives. Driving and other wheels for Locomotives.

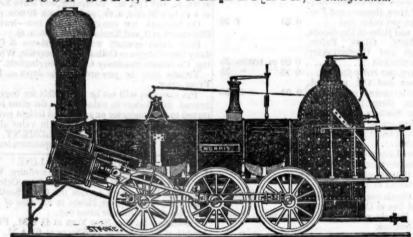
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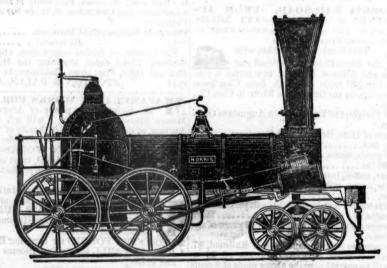
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W. Mc. C. CUSHMAN, Civil Engineer,
Albany, N. Y.

Mr. C. also announces that Railroads, and other works pertaining to the profession, may be constructed under his advice or personal supervision. Ap-

LOCOMOTIVE NORRIS' WORKS. BUSH HILI., PHILADELPHIA, Pennsylvania.





ANUFACTURE their Patent 6Wheel Combined and 8 Wheel Locomotives of the following descriptions, viz:

Class	1,	15	inche	s I	Diam	eter	of	Cyli	nder,	X	20	inches	Stroke
66	2,	14		40		"		66	1837.0		24	44	16.
	3,	14	1			23	1	66	1	X	20	W. 10.	44
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44	5,	11-	1	144	11/11/11	: 66	, Cl	a	WEA	X	20	14. 44	OH SE
4.16	6,	10	į.	44		44			7 10 D	×	18	" 66	40

With Wheels of any dimensions, with their Patent Arrangement for Variable Expansion. Castings of all kinds made to order: and they call attention to their Chilled Wheels, for the Trucks of Locomotives, Tenders and Cars.

NORRIS, BROTHERS.

chair, and William Blanding, Esq., appointed the folly of federal legislation.

a. G

of

h. H.

We are satisfied that the proposed railroad

not solely, to your depth of water, when we the country. There can be no other means your varied pursuits. look only to what nature has done for you. of availing yourselves fully of the benefits We conjure you, Your water communications with the interi- of its provisions. advantages, instead of participating in the example of free trade, and has thereby vin- plishing this work. animating contest for commercial superiority, sad, indeed, would have been your present condition. We rejoice that you did participate in that contest; and your present rail-pate in that contest; and your present rail-road, with its extensions, is honorable to your present road, with its extensions, is honorable to your present rail-road, with its extensions, is honorable to your present rail-road, with its extensions, is honorable to your present rail-road, with its extensions, is honorable to your present rail-road, with its extensions, is honorable to your present rail-road, with its extensions, is honorable to your present rail-road, with its extensions, is honorable to your present rail-road, with its extensions, is honorable to your present rail-road, with its extensions, is honorable to your present rail-road, with its extensions, is honorable to your present rail-road, with its extensions, and repairs are repairs and repairs and rep enterprize and commercial sagacity.

Europe. You have borne your full share of ern passage shall be again poured into their at a very reasonable rate of wages.

In pursuance of the call of the mayor, a from the anti-commercial policy, which for who was waiting until the stream should flow large meeting of the citizens of Charleston, the last 30 years, has been the bane and dis-by. Should the great day of commercial of the Neck and the adjacent parishes was grace of legislation at Washington. But if freedom ever dawn upon us, we trust that convened this day in the city hall, "to confer a live to your own interests, and ready your city—our city, dear to our love for what fer on the measures necessary to complete to make the proper efforts, you may recover she has been and is, and to our hopes for the connection by railway, between Charleston and Wilmington, N. C." His honor the mayor was called to the natural causes, and is partly to be imputed to free trade alone cannot restore to her her for-

You have done a great deal already by merce. The chair laid before the meeting the fol-lowing address to the citizens of Charleston, from the committee appointed by the citizens. general assembly " to authorize the formation each particular locality. And those efforts of the Charleston, Georgetown and All Saints have not been wanting. Witness the her-within an extended range. railroad company," but the amount of sub-culean task that Baltimore has assigned her-scriptions was not sufficient to secure the charter, and it lapsed.

The object of those whom we on this so terly highway of New York.

Charleston and Wilmington Railroad. | the ills which have flowed in no stinted tide laps, resemble in their wisdom the clown mer relative importance in the world of com-

from the committee appointed by the citizens but you have not yet done enough to preserve your consideration these few topics on the of Georgetown, convened on the 6th of July such ave not yet done enough to preserve your consideration these lew topics of the your relative commercial importance in our subject of your business connections general and ordered to be printed:

Fellow Citizens of Charleston: The unpine inactivity in respect to their community in the property of the first property of the fir ing, held in Georgetown, on the 6th of July ment supposed that they would at this day southern country, that produce ministers last, to address you on the subject of the construction of a railroad from your city to the North Caroline line by the way of Georgetown. The truth is, that North Carolina line, by the way of George- those who have watched over the commercial mission of merchandize, yielding a more vawn.
Some years ago, at the instance of citizens sity of efforts, in order to secure the benefits chases the merchandize sent back in exof Georgetown, a charter was granted by the that natural position may first have given to change. And that railroads draw by an ir-

The object of those whom we on this oc-pointing towards New York. Those of Mas-most productive districts of our state, and casion represent is, to revive the charter just sachusetts, and the attempt of Boston to par-will give you completely the command of the mentioned, and to solicit your co-operation in ticipate in the advantages, if not appropriate trade of eastern North Carolina, it will expekeeping it alive, and in constructing the pro- to herself the entire benefit of the great wes- dite the transmission of your mail, and the transportation of travellers seeking your city One great difficulty you have to contend or places further south. If it is constructed We are satisfied that the proposed railroad would be highly advantageous to the interests of the district in which we reside; but are not less firmly persuaded that your city has the largest interest in securing the object designed.

As you have but few manufacturers among you, your city may be regarded as solely and essentially a place of commerce. And, from the depth of water at your bar, and from the depth of water at your bar, and from other causes you command, and must contillation to the interests of your commerce. other causes you command, and must contilation to the interests of your commerce. the doubt that the North Carolina improvenue to command, the foreign commerce of Among the very few acts of the federal goments will seek a connection higher up with South Carolina and of portions of North Ca-vernment in reference to our commerce, which the lines of railroad towards the southwest. rolina and of Georgia. How much more of have not had a tendency to depress and to de- That this course would operate disastrously that commerce you shall draw to yourselves, and how much of that of other sections, with in a reasonable range, you shall constitute your city the chief emporium, must depend will manifestly be lost to you, or greatly im, entirely upon your own exertions. Your paired, if you do not extend and multiply you would suffer in lack of mail expedition, and a tendency to depress and to defend that this course would operate disastivately for any interests and those of your city, you must feel very well assured. You would suffer in your commerce, you would suffer in the ruin of your roll as the ruin of your roll as the ruin of your roll as would be a stroy it, is an act of the present session of upon our interests and those of your city, you must feel very well assured. You would suffer in your commerce, you would suffer in the ruin of your roll as the ruin of your roll as the ruin of your commerce, you would suffer in the ruin of your roll as the ruin of your city, you must feel very well assured. You would suffer in your commerce, you would suffer in the ruin of your roll as the ruin of commercial importance, you owe mainly, if your commercial relations with the rest of and in all of the numberless ramifications of

We conjure you, therefore, by all of the considerations that can have weight with a or are of trifling moment. You must make your communications, or you are lost. Had Great Britain, standing as she does, at the voices for improvement, to aid us with your you rested satisfied with your merely natural head of the commercial world, has set the zeal, to aid us with your capital in accom-

the great day, when the shackles shall be for construction and repairs, and with fuel. You have lost, in a great measure, your stricken from our commerce, and expect with And there is no lack of laborers on the line West India trade, and your direct trade with folded arms that the direct trade by the south of the route, whose services could be secured

In conclusion, we pray that you will at least favor our project so far as to take into serious consideration the few topics we have thus brought before you, out of the many that might be urged, and to unite your counsels with ours, for our common benefit.

For the committee,

John Izard Middleton, Chairman. Georgetown, August 10, 1846.

Col. Gadsden then offered the following resolutions, which he urged in a few perti-

nent remarks

Resolved, That a committee of five be appointed to collect information, and to report at the adjourned meeting in October next on the expediency and practicability of a railway from Charleston to Wilmington, with an approximate estimate of the probable cost of the same, and that the said committee publish their report in the city papers as soon as it is

prepared.

Dupin, Sampson, Wayne, Edgecombe, Nash, Halifax, Brunswick, Bladen and Columbus. North Carolina; and with the authorities of the districts and parishes in South Carolina; in widening and deepening the feeling of inviting them to send delegates to the adjourning them to send the transfer that the information thus conveyed to the public has produced a thorough conviction of the vital importance of a railroad, and of its delegates to the adjourning them to send delegates to the adjourning them to send delegates to the adjourning them to send the transfer that the information thus conveyed to the public has produced a thorough the transfer that the information thus conveyed to the public has produced a thorough the transfer that the information thus conveyed to the public has produced a thorough the transfer that the information thus conveyed to the public has produced a thorough the transfer that the information thus conveyed to the public has produced a thorough the transfer that the information that the i ed meeting in October next—and to come pre-pared with an exhibit of the extent to which permit, appear to have been encouraged by motives for its formation. the inhabitants of those cities and sections of the increased general favor, to believe that country are disposed and prepared to co-operate in the construction of a railway to conate in the construction of a railway to con-South Carolina railroad at Charleston.

quested to direct circulars to the president and return.—Portland Advertiser. General Meeting of the Proested in the removal of the existing impedi- St. Lawrence and Atlantic Railway. - A ge. available for the immediate prosecution of the ment to a continuous railway from the east-ern extremity to the most southern section of public notice, was held in its rooms, in Little shares subscribed in England, 750 shares of the Union; and to invite them to name rep-St. James' street, on Saturday afternoon. The those subscribed on account of future con-

terprize of common benefit to all.

the neck, and three from each of the parishes of Christ Church, of St. John's, and of St. James', Santee, and the adjacent parishes be named, to appeal to the citizens within their respective precincts for such aid by subscription of stock or otherwise as will contribute. At the meeting in the Camp de Mars, it was eters, to give it as their decided opinion that the work contemplated: and that the said to the work contemplated; and that the said agreed that means should be taken to inspire it is expedient, at once, to enter upon the conjourned meeting in October next on the ex- in the fate of that undertaking than had yet it, however, to the proprietors to instruct them pediency and practicability of the city and been manifested. He need not remind them definitely thereon. commissioners of cross roads, in their corpoof the gratifying character of the assembly to
rate capacities, uniting in whole or in part in which he referred. In addition to that great that, independent of the English scripholders, the state of South Carolina.

were proposed by Hon. Ker Boyce, Dr. Tho- could not doubt what the decision would be mas G. Prioleau and Edward McCrady, Esq., which was severally concurred in.

The resolutions being put separately, were then adopted without a dissenting voice.

The appointment of the several committees created by the resolutions, was referred the directors, of which we extract all the mato the chair, and will be announced through the public prints.

The meeting then adjourned. JOHN SCHNIERLE, Mayor, Chairman. WM. BLANDING, Secretary.

Good News from Montreal.

General Meeting of the Proprietors of the resentatives to the meeting in October, and to meeting was numerously and highly respective tracts: making a total of 5,364 shares, or co-operate by subscription to the aforesaid entably attended, and the proceedings were £268,200.

important, as he had no doubt it would be, that the additional amount required to com-

Resolved, That this meeting stand adjourn- to the shareholders as a profitable investment. ed to Tuesday, the 20th day of October next. As this was a special, not a general meeting, The resolutions were seconded by Wm. he apprehended that they must confine them-H. Trescot, Esq., and advocated by him and T. O. Ellicott, Esq., in a forcible manner.

Several modifications and amendments shareholders present or absent. He, himself, -it would be that, though their means were not yet adequate to make the whole line, they must make a beginning, and afterwards find means to carry it on to the boundary.

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The secretary then submitted the report of

terial parts.

The board of directors of the St. Lawrence and Atlantic railroad company, beg leave to

That since the meeting of proprietors held on the 30th ultimo, 1,410 shares have been Our copious extracts from the proceedings subscribed of the company's stock, conditionepared.

Resolved, That a committee of corresponday last, contain the interesting information menced. The directors have gratefully to dence, to consist of ten individuals, be nomi-that the company in Canada will go on im- acknowledge the strenuous assistance rendernated, to confer with the authorities of Wil-mediately, with their part of the work. The ed to them by the committee appointed in the mington and the citizens of the counties of great meeting in the Camp de Mars, and the last meeting to secure additional subscriptions

nect the Wilmington and Roanoke with the dition to this, they have facts on which to rest contracts for work on the road, about 650 the conclusion, that the first sections of the subscribed in England, by the scripholders Resolved, That the same committee be re- road, will of themselves yield a remunerating there, and 1,983 held by scripholders in Gt. Britain: giving a total of shares, 7,597.

Of this number, the directors regard as

marked by unanimity.

At the last meeting of the proprietors, the The Hon. Geo. Moffatt was called to the directors stated, that on the result of the appropriate them. Resolved, That a committee of five from chair, and briefly explained the cause and peal to the public, then suggested, being ascommittee be requested to report to the ad-the town generally with a stronger interest struction of a portion of the railroad, leaving

the construction of that portion of projected demonstration of public feeling, a more solid they have ample means to construct from 50 railroad as may run through the limits of interest had been manifested by a subscription to 60 miles of the railroad; that this portion the state of South Carolina. of upwards of 400 shares, as would appear of the road would, in their opinion, be pro-Resolved, That a committee of twenty from the report about to be read to them .- ductive in itself, and would enable the direcindividuals from the city and neck be appointed to make appropriate arrangements for receiving and entertaining (as may comport with the ancient hospitality of Charleston) the delegates which may assemble at the meeting proposed on the 20th of October means of raising the public revenue—and trade, and being the directors feel sufficient confirmants of the meeting proposed on the 20th of October means of raising the public revenue—and trade and the additional amount required to compose the confirmants of the means of raising the public revenue—and the additional amount required to compose the confirmants of the city and neck be appropriate arrangements to obtain sufficient means to complete from the city and would enable in city and woul scribed.

available for the purpose.

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of the corporation now stand, and that, be named up to the close of the year 1845: lieving the interests of the proprietors will be best promoted by an immediate commencement of the railroad, the board of directors be, and they are hereby, authorized and instructed to put such portion of the work under contract as they may consider most expedient, completing the railroad to such point as the means at their disposal will permit."

G. Elder, Esq., seconded the motion. He thought the time for acting had come, and that for speaking had past, and that he trusted there would be no hesitation. If they confined themselves to intending to begin, they would never begin; let them start at once. fal the city if the road was not made, that ground had been already sufficiently gone over. Let us all make up our minds to the work, and devote all our energies to it.

The motion was put, and carried unanimously.

be stated at about 30f. 10c. each individual; ment is proceeding with great activity. The directors beg leave to conclude their present report by reporting their recommendation, that, under the now favorable state of public opinion towards this great work, the proprietors should resolve to instruct them to proceed with the construction of the railroad, so far as their present means can be made awailable for the purpose. cost of railway construction in different coun- Milan line above alluded to, as far as Tesin. All which is respectfully submitted,
G. Morfatt, President.

Montreal, August 22, 1846.

Benjamin Hart, Esq., moved that the report be adopted; seconded by Major General Evans, and carried unanimously.

Samuel Gerrard, Esq., moved that "the port be adopted grand and carried unanimously.

Samuel Gerrard, Esq., moved that "the pools, in the United States 113, now under discussion, and, if carried into effect, will be one of the most astonishing works are as Tesm. It is also proposed to connect Savoy with Piedmont by tunnelling the base of the Alps immediately contiguous to the defile of Mont Cenis. A line from Turin to Chambery is now under discussion, and, if carried into effect, will be one of the most astonishing works are as Tesm. It is also proposed to connect Savoy with Piedmont by tunnelling the base of the Alps immediately contiguous to the defile of Mont Cenis. A line from Turin to Chambery is now under discussion, and, if carried into effect, will be one of the most astonishing works of the proprietors learn, with much satisfaction the ing is a table showing the total expense of the government lines just alluded to, there proprietors learn, with much satisfaction, the ing is a table showing the total expense of the government lines just alluded to, there more favorable position in which the affairs railway construction in the countries just are others of second-rate importance, which

ı	Kilometres. Francs.	
	Belgium 559 145,984,01	14
į	England	00
ı	Holland 154 32,340,00	00
	Germany	00
	United States	00
	France	00
	Denmark	00
	Italy 228 45,782,00	00
	Cuba 377,030,00	00
	Russia 5214,560,00	00

for each individual has been already expending states of the Italian peninsula are now cast lamare and Capua are now open for talk however, laid out in constructing this distance of railway varies per each individual, according to the advancement which any particular country may have made in adopting projects have been recently set on foot, and, to connect Rome and Naples.

plete this great work will be eventually sub-this mode of conveyance. In Belgium it may as already observed, the work of improveare immediately to be commenced. Petitions have been addressed to government, praying for the establishment of lines between Turin and Pignerol, between Turin and Sauaglio, and from Sasal to Valance.

A line from Turin to Milan, pursuing its course on the left bank of the Po, will be shortly proceeded with. In Lombardy the affairs of the line between Milan and Venice The improvements which have gradually cient connection which subsisted between taken place in the speed of locomotives since these districts of Italy. The second-rate lines their first application to road travelling, have been very remarkable. In 1825 the first lowhich proceed from Milan to Como, and the had now 5,500 shares taken; nearly half of the whole. As for the evils that would be (6 English miles.) So great was the im-present in progress in the interior, a commuprovement in a few years, that in 1829 the nication or conjunction will be established be-Rocket travelled at the speed of 25 kilos, per tween the Lombardo Venetian lines on the hour, (15 English miles;) in 1834 the speed of the Firefly was 34 kilos. (20 English miles;) constructed in the provinces situate on the left in 1839 the North Star moved with a celerity bank of the Po; and on the other hand, with of 62 kilos per hour, (37 English miles;) and After some remarks from the Hon. R. U. Harwood and other gentlemen, expressive of confidence in the undertaking, the meeting broke up.

Of 62 kilos. per hour, (37 English miles;) and the German Trieste to Viatthe present moment locomotives have arrived extreme point. The line from Trieste to Vience of the undertaking, the meeting broke up.

During the same period, (since 1825,) the quantity of fuel required for the propulsion of Austria to promote the carrying of this locomotives was diminished 5-6ths, that is, for the Power of the American and European Railways. locomotives was diminished 5-6ths, that is, 6 project into effect. Upon the right bank of the Paris Constitionuel contains an interesting tons of coal were consumed formerly for one the Po, a company at present solicits authorarticle upon the subject of railroads in America and at the present moment. The mean speed ity to construct at its own cost, a line from Europe, which gives some statistics and particulars upon several of the principal English lines is of importance to all who feel an interest in railroad as follows: Upon the North Midland and tinuing it as far as Modena and Parma. Unmatters. We publish the article below, and commend it to the especial attention of our readers:

Eastern Counties, 58 kilos. per hour, (33 less opposed by the holy see, this project will be immediately commenced. In the event of At the close of the year 1845 there were ladden, (or nearly 9,900 miles) of rail-way open to passengers in Europe and the United States of America. The cost of their construction amounted to the sum of 3,937, or £157,480,000 sterling. The expense of a kilo. (rather more than half a mile English) of railway may be consequently estable the development of the railway system in It-English) of railway may be consequently estimated at an average of 244,754f.; and if we calculate the amount of population in the two calculate the amount of population in the two quarters of the globe just named at 234,000, states of the church and exercise the second of the church and exercise the second of the second of

Little Miami Road.

The receipts upon this road exhibit a very steady and prosperous increase of business-and the open-

rapidly accumulating at all points on the road, a daily train of freight cars will be to Springfield; and as soon as a new locomotive can be finished, an extra train will be put on, to run as far as Todd's Fork, to accommodate the way business exclusively .-Three locomotives are building, two in this been built at the east, and are daily expected; ed on the eastern railroads.

siness, in bringing down live stock, it may be have been anticipated. Our informant seems dent, Hugh Downing, Esq., that the line will mentioned that hogs are almost daily driven to think that the immense weight of the train be pushed forward with all possible speed to from Dayton to Xenia; at the latter place was the sole cause of the accident-upon this the Ohio river. Efforts are making to reach they are put on the freight cars at 5 a.m., and however, we cannot speak advisedly, as we reach this city in season to be driven to the -a distance of nearly seventy miles.

"The Mad river railroad is now open to Kingston, and by the 1st of November will ed the city a few minutes before 3 o'clock be extended to Bellefontaine, thus reducing the distance to be travelled by stages from this city to lake Erie, to about thirty miles.'

Miscellaneous Items.

At the annual meeting of the stockholders of the Hartford and New Haven railroad, the following gentlemen were chosen directors for the year ensuing, viz: Charles F. Pond, David Watkinson, Hart-ford; J. Boorman, E. Peck, C. Vanderbilt, New York; Ezra C. Reed, New Haven; J. S. Brooks, Meriden; F. R. Griffin, Guilford; C. W. Chapin, Springfield. At a subsequent meeting of the directors, Charles F. Pond was re-elected president; Jas. tors, Charles F. Pond was re-elected president; Jas. H. Wells, treasurer; and Horatio Fitch, secretary.

The Air Line Railroad.—We understand from good authority that on the first day of opening the subscription books to the stock of the New York and Boston railroad, the people of Middletown took shares to the amount of three hundred and fifty thoumined in the matter. Indeed there is little doubt of the early completion of this work, which must prove a valuable investment. The great amount of travel on the New Haven and Hartford road, shows what this projected road is to become, when travellers can go from New York to Boston, at a rate of 50 miles the hour—the direct route.—New Haven Reg.

Railroads in Carolina and Georgia.—The Macon Messenger gives the following statement of the rail-roads now in operation in these two states, viz: Central railroad, from Savannah to Macon, 190

Macon and Western, from Macon to Atlanta, 101 miles

State, or Atlantic and Western, 80 miles.
Georgia, from Augusta to Atlanta, 171 miles.
Athens branch, 40 miles.
Augusta to Charleston, 136 miles.
Branch road to Columbia, 58 miles.
Making a grand chain of communication of 776

Baltimore and Ohio railroad. The iron is made exclusively of the best quality of Baltimore charcoal pig iron. The fixtures by which it is manufactured niceted by the wires to the next denot, where and prosperous increase of business—and the opening of the road to Springfield proves very advantageous to the line. We learn from the Cincinnati papers that the number of passengers upon this route since the opening of the Springfield extension, has been seventy-five per cent. additional already. The Cincinnati Gazette says:

"At present the freight train runs through but three times a week; but as produce is rapidly accumulating at all points on the

Railroad Accident .- We understand that on Wednesday last, as an up freight train on started on the 1st of September, to run through the Central railroad was passing over Williamson's bridge, about sixty miles this side of Macon, the bridge gave way and precipitated several of the cars some ten to fifteen feet into the creek or ravine below. Three locomotives are building, two in this city by Mr. Harkness, and one at Patterson, N. J. Two passenger cars have also just tern road. The front engine, and perhaps been built at the east, and are daily expected; one or two cars had passed safely over, when they combine all the improvements introducthe work gave way. We are glad to add, that no one was injured, and that the damage "To show how this road is attracting bu- from breakage will not be as great as might have no positive information further than that slaughter yards at Brighton the same evening two locomotives were employed in its transportation. The passengers from the west were transferred to a freight car, which reach-

railroad were thrown off the track about two miles above Montgomery, and precipitated down an embankment of some 15 feet deep. There were 10 or 15 passengers in the cars, not one of whom, strange to say, was seriously injured.

A Remarkable Mineral Spring .- It may not perhaps be generally known, even to our own citizens, that there is in the town of Riga, one mile east of Churchville, on the farm of Linus Pierson, a mineral spring, the gases from which are sufficiently combustible to burn shares to the amount of three numbers and the special sand dollars! and that they will go up to half a mil- as clear and brightly as a lamp, at all times lion. This is doing a brave business for a little city of the day and night, and which is never exlike Middletown—and shows that they are deternable. The spring is located near the ballice Middletown—and shows is little doubt of as clear and brightly as a lamp, at all times thing house on the farm, and a tube has been constructed leading from the spring to the rooms, by means of which the house is made sufficiently light without the use of lamps.

Some time ago the state geological surveyors paid this spring a visit and analyzed the gas, which was found to be composed of sulphureted and carbonated hydrogen. water is strongly impregnated with iron,-Rochester Daily Adv.

Uses of the Telegraph.—The journeying correspondent of the Newark Daily Advertiser has the following statement upon the convenient uses of the magnetic telegraph:

An incident in our journey a few days ago serves to show the usefulness of the telegraph. is well worth trying, and I make this suggestion be-A lady left a valuable article of dress in one lieving that the public may be benefitted thereby. Avalon Railroad Iron.—The Covington manufac-turing co., at their Avalon works near this city, are now delivering, under their contract, the iron for the way at Utica for a trip to Trenton Falls. of the cars for the west on leaving the rail-

nicated by the wires to the next depot, where the garment was taken from the car, and on uor return from Trenton, the following day, it was found at the office in Utica.

The editor of the Buffalo Commercial Advertiser has seen a beautifully finished car from the manufactory of Messrs. J. Goold & Co., of Albany, designed for the Mansfield and Sandusky railroad, and which will be shipped on board the schooner Merchant, by Messrs. D. N. Barney & Co., with as little delay as possible. The seats, of which there are 26, are of mahogany, exquisitely finished with tempting looking cushions, and on each side of the car are conveniences for suspending hats, bonnets, umbrellas, etc., a very great desideratum indeed to the travelling commuChe Galling Carlot Carl

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Atlantic and Ohio Telegraph .- The directors have made choice of John B. TREVOR, Esq., as treasurer of this company. The Philadelphia Sentinel learns from the presi-Cincinnati before January.

(Official) Reading Railroad.

comparative statement of the business on the Philadelphia and Reading railroad for the week nd Reauman Sept. 7, 1844. 1845. 1846. \$17,118 39 \$28,327 42 \$46,549 13 19 638 21,692 28,178 and market by this ending-

yesterday morning.—Savannah Repub.

Another.—On Saturday, Aug. 22d, says the N. Y. Courier, the train on the Georgia the N. Y. Courier, the train on the Georgia since the first of January, has been as follows:

This week, 28,339-previously, 788,487-total, 816.327.

The Lehigh Coal Trade.—The following is a statement of the amount of coal sent to market by the Lehigh canal during the week ending the 8th inst.,

and since the opening of the navigation:
This week, 18,247—previously, 331,148—total,

Eric Railroad.—The earnings of the eastern division of the Eric railroad for the month of August, 1846, were as follows:

From freight.....\$10,545 53 Passengers and mail 6,141 23 16,686 76 Same time last year 16,650 86 Increase

Sale of the Railroad .- The Portsmouth and Roanoke railroad was put up at auction yesterday and bid off by the agent of the board of public works, in behalf of the state, for \$60,000. There were only two bids besides those of the state; one by the town of Portsmouth and one by a gentleman from the north desirous of purchasing for the iron rails.

Checking the Motion of Railway Cars.

I have a suggestion to make in reference to checking the motion of cars upon railways, which may be useful to railroad companies. It is this: provide each wheel with a box, or other convenient vessel, containing ten pounds of oil, in a semi-fluid state placed in such a position that the oil could be discharged upon each and all of the wheels at the same instant—the result would be that the wheels would revolve without moving the cars. The experiment E. MERIAM.

Brooklyn Heights, Sept. 15, 1846.

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PRINCIP	AT.	CONTE	NTS.

Charleston and Wilmington railroad	
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AMERICAN RAILROAD JOURNAL.

UBLISHED BY D. K. MINOR, 23 Chambers street, N.Y.

Saturday, September 19, 1846.

NEW YORK AND ERIE RAILROAD Company Notice. The Stockholders of the New York and Erie Railroad Company are hereby notified, that the annual election for Directors of the company will be held at the office, No. 45 Wall st., in the city of New York, on Tuesday, the 15th day of October next, from 10 o'clock, A.M., to 3 o'clock,

An instrument was shown to us last Thursday, called a "Horizontal, Inclined Plane and Plumb Level," the invention of Mr. A. Gerard, of Mobile, Ala., for which he has obtained a patent. It appears to be a very useful instrument for architects, engineers, stone masons, and mechanics generally. It is composed of a rule or rod with a radius (furnished with two spirit levels) attached thereto by means of ploring and making their locations. a hinge, and moving on a graduated quadrant.

When closed, the instrument forms a level, when ing the radius or arm at the required angle. A mated at one hundred and fifty millions sterling! chart for ascertaining angles and distances without calculation, accompanies it.

Hunt's Merchants Magazine for September, conreference to the rates of freight and fare, by E. H. Derby, Esq., deserves a few remarks at our hands.

The whole history of the low fare policy on the to. eastern roads is well developed and had it not been copy a portion of Mr. Derby's paper, as being one of the best abstracts we have seen.

With Mr. Derby's implied comparison between himself as founder of the low fare policy, and the doubtedly labored earnestly in the cause, but did not ing especially to these routes. others do the same? It so happened that the issue between the two parties was joined in the case of the Western road, but the main substance of the arguments of the low fare party on this issue were no norments of the low fare party on this issue were no norments of the facts presented by them were collectively—and the facts presented by them were collectively—and that, after legislating upon the low fare party of the same? It so happened that issue the judic to commences by informing the first will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the greatest will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the monopolists, it will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquire who are the greatest will be only necessary to inquir

Eric Railroad.

portion of it will be completed early this fall. Pro- one joint company." posals for grading 133 miles more are advertised for which will carry the road to Binghampton-two hundred and twenty-five miles from New York. From Binghampton to lake Erie the work is more steadily prosecuted to its completion. In less than three years we hope to ride over it to lake Erie"and we hope be of the party.

respondent of the Albany Argus, who has recently

The Transfer Books will be closed from the 22d of September until the day after the election.

By order of the Board of Directors,
NATHANIEL MARSH, Secretary.

New York, September 12, 1846.

Has letted note than a funded per each. From last year, and that its condition will compare well with the railroad from Albany to Buffalo.

Wm. Gooding, engineer of the Illinois and Michigan canal, advertizes for 1,000 laborers, and 100 ployment will be given.

> A letter from Sault St. Marie, published in the Montreal Herald states that the northern shore [British side] of lake Superior is as rich, if not richer, than the southern, in copper and silver ores. Four companies have been on the ground this season ex-

A late London paper says that the amount empowered to be raised by the railway acts, which reopened at right angles it serves for plumbing-and ceived the royal assent to the 3d Aug. for new lines any inclined plane or level may be formed by plac- extensions, and enlargement of stations, etc., is esti-

Low Fares upon Railroads,

And the Camden and Amboy Railroad.

"address" is simply a sort of history of the "Camden this state." and Amboy railroad," and "Delaware and Raritan author of the custom house and postoffice reforms in canal companies"—from 1830 to 1845-6—backed by embarrassments—prospective losses ! —" sacrifices," Europe, we find fault, both as to the taste of the thing some fallacious doctrine touching the subject of the etc., etc., to which the getters-up of this route were and as to the matter of fact that Mr. Derby is the opposition of those interested in these public high-subjected—and finally charges the "monopoly" of author of the low fare system. That gentleman un- ways, regarding the principle of low fares as apply- the matter upon the state of New Jersey in the fol-

Correspondents will oblige us by sending in their ted by those who are not admitted to a seat in Mr. subject for some twenty-six years, a charter was granted in 1830 to the present "Delaware and Pari granted in 1830 to the present " Delaware and Raritan canal company," who have accomplished the We learn from the N. Y. Express, that "the di-project. At "the same session of the legislature, a rectors of this company are going on with it in the charter was also granted to a company, to make a right way to accomplish the great object of the un-railroad from Camden to Amboy"—and in the course dertaking. The work on the road to the valley of of the next year (1831) "the two companies were the Delaware river is already contracted for, and a united, by an act of the legislature, and were made

> The pamphlet then goes on to state at length the numerous difficulties which attended the establishment of this route—the embarrassments attaching to filling up the subscriptions for stock, and the vathan half done. The citizens of New York may ried ups and downs which followed upon getting congratulate themselves that this important work, them into operation—and the principal aim and ennow freed from the embarrassments with which it ergies of the managers of this "joint company" aphas been surrounded for so many years, will be pear to have been, to establish the route upon what they are pleased to term the protective principle; which should give the exclusive right of way through New Jersey, and should secure to them, for a limited number of years, the monopoly of the travel Central Michigan Road.
>
> This road is offered for sale, in accordance with a referred to, an act was obtained, and became a law, resolution of the last legislature of Michigan. An by a vote of 31 to 11 in the assembly, and 9 to 4 in invitation is especially directed to capitalists in the the conucil, containing a provision (to use the words east to embrace the opportunity offered, and the time of the pamphlet) of the most effective protection of sale is limited to the 28th of September. A coragainst both canal and railroad competition." By the 17th section of this act, it was provided that "it passed over the road, says that in eight months it should not be lawful for any person or persons, body has netted more than a hundred per cent. from last politic or corporate whatsoever, to construct any canal or railway within ten miles of any point of the said canal or feeder, without the consent of the said Wm. Gooding, engineer of the Illinois and Mich-company, and that it shall be the duty of the chanigan canal, advertizes for 1,000 laborers, and 100 cellor of the state, upon an application made therestone cutters, to whom good wages and constant em- for, by bill, in due form of law, by the said company, to issue his injunction to stay, and prevent the construction and erection of any such canal and railway." These were among the first acts passed by the state of New Jersey, in reference to canals or railways, in which the principle of protection, or as it is now termed, monopoly, was incorporated.

This "legislation" is declared by the directors, in the address before us, to have been "a wise policy." and they contend that without these salutary provisions "there would not have been, at this day, any costly canal or railway" in New Jersey! "This state determined," continues the address, "to have her public works made at private expense-securing at the same time, without any risk on her part, the largest contingent interest." New Jersey has thus real-Since the publication of our last number, we have ized "the revenue equal to the interest upon one tains several articles upon the subject of railroads, devoted some time to the further examination of a million of dollars," from this joint company-and which are worthy of the attention of the readers of pamphlet (which has been some time in hand) put finally, through the exertions of private interest, the that excellent periodical. One of these, that on the forth by the "directors of the Camden and Amboy state secured "a magnificent canal, and a railroad administration of railroads of Massachusetts, with railroad company, to the people of New Jersey," across the state, without incurring the risk of a doletc., and, agreeably with our promise, we proceed to lar in their construction, providing at an early day offer our opinion upon the subjects therein referred for their resumption by the state, if it should deem it advisable to do so, (which of course would depend After a careful perusal of the pamphlet in ques- upon their productiveness,) and meanwhile deriving presented to our readers in all its detail we should tion, we have no hesitation in saying, that this pub- from a transit duty on passengers and merchandize, lication is altogether one-sided in the opinions and passing over and through these works, a revenue far arguments advanced, while the whole spirit of the exceeding the ordinary expenses of the government of

> The address then goes on to "recapitulate" all the lowing terms.

worth as before stated, nearly two hundred and fifty thousand dollars—has received in transit duties and dividends, up to the 1st day of January last, no less a sum into her treasury than five hundred and thirty-one thousand two hundred and thirteen dollars and four cents; and during the last year, fifty-nine thousand four hundred and niney-seven dollars. Its receipts last year were equal to over pursue of the next. receipts last year were equal to one-fifth of the net revenue of the works—the dividends paid during the year 1845 to the stockholders, twenty-eight thousand shares at nine dollars per share, amounted to two hundred and fifty-two thousand dollars, while the state received fifty-nine thousand four hundred and fifty-two thousand four hundred and fifty-two thousand four hundred and the state received fifty-nine tho

and patriotic purposes and motives," the originators from the 4th of February, 1830. The extension of railroad, says the Transcript, demonstrates and projectors of this route "embarked their for the time from thirty to fifty years was granted upon the necessity of having no four wheel cars in tunes, some of them their all, in the hazardous and the express condition, that the canal should be conarduous enterprize of constructing these great works structed from the Delaware to the Raritan, seventy- eight wheel car, the coming off of one wheel which will descend to posterity as noble and imper- five feet wide on the water line, and the water there- (which proved so disastrous,) would have been ishable monuments of the genius and wisdom of the in should be seven feet deep throughout, with locks of no sort of consequence. age. They hoped, when their toils and hazards to be at least one hundred feet in length, and twentywere ended, not merely to reap the ordinary and feet in width in the clear. The canal has been fin- all over the country, to make it an invariable usual pecuniary reward of successful enterprize, but ished, and is in operation." to receive the approbation of their fellow citizens."

period, and before the route had begun to pay well,) in Camden and Amboy railroad company, to the peostate, they hold the following language. From this . memorial we also make the last extract above. They all their hopes, "they have been disappointed."

"The watchful, perhaps salutary spirit of the age which looked silently upon their long struggle for success, has discovered at the moment they had reached the goal, that in the grants, under which they had prosecuted and completed their labors, there they had prosecuted and completed their moors, there were principles lurking, hostile to popular liberty, and the people's rights. They are branded as monopolists, followed by slander, and reproached with

This proposition was not accepted by the state, and the company has since pursued the even tenor of its way.

The Camden and Amboy railroad and the Delaware and Raritan canal company were incorporated upon the same day, viz: the 4th of February, 1830. The laws and enactments referring to these incorporations, provide (among other less important matters) that "the treasurer of the company, upon oath, shall make quarterly returns of the number of passengers and the number of tons of goods, wares and merchandize transported upon the roads, to the treasurer of the state, and thereupon to pay the treasurer of the state, at the rate of ten cents for each and every passenger, and the sum of fifteen cents for each and every ton of merchandize so transported thereon. This imposes a rateable transit duty and was not payable till the completion of the road, and the company had nine years in which to complete the road."

"The nineteenth section of the act protects the company against the construction of any other canal within five miles of any point of the canal of the company."

and each ton of merchandize so transported thereon, among the different interests connected with the Con.

it extended the time mentioned in the 25th section of ninety-seven dollars, or nearly twenty per cent. of the whole amount."

tween the Delaware and Raritan rivers, within five to which these recommendations refer. They are miles of the canal, until after the time limited for In conclusion, it is stated that, "with honorable the completion of the canal, which was eight years

We have thus given, at considerable length, all In a memorial to the legislature, (at a subsequent the main features which make up this address of the track, and makes a great saving in the repairs which they propose to relinquish the affair to the ple, from which it will be seen, (in the opinion of the ommittee in behalf of those interested,) that in the originating, progress and completion of this road say, notwithstanding all their efforts, and in spite of and canal, an immense amount of money has been expended, a very natural consequence, we think, resulting from the construction of so important a work! That a vast deal of trouble attended the prosecution and consummation of the undertaking; that, commencing, as it did, in the early days of railroads and other great internal improvements, there was not that confidence in it, prospectively, which would have been desirable; that the managers have nopolists, followed by stander, and reproached with selfish and ambitious purposes. They have borne this injustice in silence, but they desire to be relieved from it; and they come to lay down at the feet of the legislature the grants they have received, what in justice to themselves they are bound to ask, the common recompense of honest industry and enterprize."

would have been desirable; that the managers have contrived, from time to time, to obtain such privileges in their charter, as gives them, for years to come, under existing circumstances, a monopolizing power, the results of which can scarcely be imaginated to themselves they are bound to ask, the common recompense of honest industry and enterprize." power, the results of which can scarcely be imagin-dry locks on railroads in France, for the purmonopolizing provisions in said charter are oppressive and excessively burthensome to the travelling community; that the said company are now reaping their introduction will save much expense in a golden harvest, notwithstanding all the troubles excavations and embankments for railroads. they have experienced; that they have, decidedly, They are serviceable on roads engaged in the best end of the bargain; that they have, by no transporting heavy freight trains." means, satisfied the public in regard to the MAIN ISSUE of the question between them and the travelling adds that the "principle is not new." Some years community; and, finally, that in spite of all, in this ago, "a gentleman exhibited in this city an inven-'address," of argument and sophistry-it does not tion for the purpose of overcoming mountains, in reach the subject in which the people of New Jersey, as the matter of transportation on railroads. A part of well as all others who travel over the route, are directly his invention was the system of lockage referred to concerned, to wit: their exorbitant charge of fare es- above, by means of which the cars were made to astablished for passengers between New York and Phila-cend or descend from one level to another with great

We have in this article, extended our remarks to a considerable length, in a preliminary manner, and shall, in another number, endeavor to show the reasons we have for believing this "address" deficient in all we have stated, and we shall also give our reasons why the fare upon this road can and ought this work forward. to be at once reduced for "through passengers,"

Concord Railroad.

We learn from the Boston Times that the special "By the twenty-sixth section, the treasurer of the meeting of the Concord railroad corporation, holden company is required, after the completion of the ca- in this town on Wednesday last, says the Nashua nal and feeder, to make quarterly returns of the number of passengers and tons of merchandize transported therein across the state, to the treasurer of gan railroad to Amherst. The motion to indefinite-Bridgewater, Philander Washburn, of Midthe state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and thereupon to pay in the treasurer of the state, and there are the state and the state, and thereupon to pay to the treasurer of ly postpone the whole subject prevailed-yeas 2219, dleboro', Pardon G. Seabury, of New Bed-

in this monopoly, two thousand shares of stock, the state, the sum of eight cents for each passenger, nays 4286. There was a long and warm discussion

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Important Suggestion.

In a late number of the Boston Transcript the fol-

"The late serious accident upon the Erie the train. Had the unfortunate car been an

"Would it not be best for all the railroads rule to have no four wheel cars in the train? An eight wheel car goes much easier on the of the road. While on this subject, we beg leave to suggest the great importance of having invariably the baggage car between the tender and forward passenger car. Then in case of accident to the locomotive, or of its going off the track, the tender and the baggage car may be smashed, and yet all the passengers be entirely safe. The baggage car serves if thus placed, as a bulwark against the blow, whereas, if placed in the rear of the train, it operates as a trip hammer to smash the passengers, in case the train is suddenly arrested by an accident.

Locks on Railroads.

"They are beginning to use successfully pose of rising from one level to another .-They are said to be cheaper, safer and more easily kept in repair than inclined planes, and

The Philadelphia Ledger copies the above, and

Cape Cod Branch Railroad.

We find in the Boston papers an account of the meeting at Wareham, of the subscribers to the stock of this road, which took place last week for organization, and to consult upon the propriety of urging

"The meeting, says the Courier, was ful-ly attended, the act of incorporation was accepted, and the following gentlemen were cho-sen directors: Joshua B. Tobey, of Wareham, Thomas J. Coggshall, of Taunton, Richard

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Penusylvania Railroad.

The commissioners of this road convened on Tuesday, Sept. 1, and although many of the friends of the road are just now from home, yet several hundred shares were subscribed for. It is expected, says the American Sentinel, that this undertaking will be subscribed for liberally. The commissioners adjourned to meet again in one week.

our citizens, if such a sum cannot be raised ing here for the east. when the importance of the object is consid-

A Noble Act.

The Macon Messenger, of the 27th ult., gives the annexed account of a praiseworthy act, performed by a distinguished citizen of Georgia.

"We are informed," says the Macon Mes-senger, "that Judge Tarver, who lives in the lower part of Jefferson county, near the Cenchasing subsistence. He accordingly procured 1150 bushels of corn and 10 hogsheads of bacon from Savannah, which he distributed among them at moderate prices on a credit, to be paid for whenever they might be able. Such acts of generosity are worthy to be recorded in letters of gold, and we trust that pounds in rock containing native copper, the teelings of Judge Tarver have compen-

when without it he could have obtained them only at a very great cost and much trouble."

The Copper Business.
We have viewed with interest the operations which are transpiring in the copper business-and from late accounts received from the lake country, and the copper regions generally, we are induced to tention of some of our largest and shrewdest capiour western and northwestern states, which in time, were very rich. in certain quarters to turn the matter to speculative writes as follows:

ford, Southworth Shaw, Jr., of Boston. Mr. account, is also as true; and though there is and Rice, of the Tremont iron works company, has been, for some months past, a disposition to trafstated that about one-half of the members of the tompany had subscribed an obligation to the mines, he told that company had subscribed an obligation to take as individuals, \$25,000 in the stock of the Cape Cod branch railroad, and with one exception, he thought all would. It was supposed at the meeting that all the stock would operators. We have gathered from a variety of operators. We have gathered from a variety of world. They are still, however, mere surbe taken, and the road be constructed forth-which will be found acceptable, we doubt not, to our ed to that depth which was necessary to dethe extent and advantages of some of the companies mixture of silver with the copper he regarded alluded to.

formation of the mining prospects. The tal would be discovered of the size of a man's mines that are being worked continue rich fist, or smaller, composed of copper and siland large quantities of ore are constantly being shipped by several companies. The both perfectly pure and unalloyed with each "We earnestly hope, adds the Sentinel, that this project will now seriously arrest the attention of our citizens. Two and a half millions are required to obtain the letters patent, of which nearly half is already subscribed; and when the company is organized, it is known that many are ready and willing to feel the summary are ready and willing and when the company is organized, it is known that many are ready and willing to feel the summary are ready and will not summary are ready and willing to feel the summary are ready and will not summary are ready and make contracts for work and materials, and to receive payment in the stock of the company. Subscriptions of this kind cannot be received by the commissioners. It will be a reflection on the enterprize and liberality of large quantity of ores which are daily arrivappearance of having once been fluid with

> has discovered several exceedingly promising once into coin."
> veins. Specimens taken from one vein sunk
>
> The mining open rock well charged with native copper; these exceedingly rich, and are readily taken out in large specimens are at Messrs. Coe & Coit's; this quantities. vein on its surface is four fect wide.

fancy of the most sanguine men."

"The Lake Superior copper company, up to the 1st of July last, had raised 1,028,000

sated him for this act.

"We might add, that this is one of the benefits derived from railroads. The Central road being able to lay down the provisions, at a very low rate, near the Judge's residence.

"Ine Flusburg and Boston Copper Harbor Railroads and bor mining company, to 1st of July, raised from lease No. 4 at this place, 78,000 pounds from lease No. 5, (Cliff mine) of rock containing to many operators are realized, large fortunes will be made by those interested in the copper lands and mines of this country.

The Great Pacific Railroad.

We now offer a few remarks upon the

"The Copper Falls company, to 1st July had raised 106,000 of rock containing native copper."

Large masses of nearly pure copper, not brought

The value of these ores we have not the informatalists. That there is a vast deal of valuable ore in tion to enable us to state, but some of them we know

mestion; that there is also a feeling and disposition in an interesting letter, dated from Sault St. Marie, contending for more than three, perhaps for a certain quarters to turn the matter to speculative writes as follows:

"I have had a conversation with an intelreaders generally, as showing, to a certain degree, termine their value with any certainty. The as not giving any additional value to the "Recent arrivals from the mineral regions, mines, inasmuch as it is only occasional and says a Detroit paper, brings us additional inheat. It was so pure that it might have been "The Northwestern company of this city cut in pieces by cold steel and stamped at

The mining operations, at Portage lake, are proonly four feet deep, are of the richest charac- gressing rapidly and successfully, and we learn from ter, consisting of masses of native copper in western papers that the prospect is very cheering in terspersed with native silver, and trap or vein that vicinity. The ores are represented as being

The Baltimore Clipper, in an article upon copper smelting, remarks that the Baltimore and Cuba mithat many of his poor neighbors were in a starving condition, in consequence of the short most judicious of those who have just recrops last year, and without the means of purperior region has mineral wealth beyond the turned out a large amount of very superior copper, which they offer for sale. This new enterprize pro-The Lake Superior News contains the following mises to be a source of both wealth and employment to many of the citizens of Baltimore.

These statements and statistics go to show that the copper business must eventually become very important, and in a few years, if the anticipations of many operators are realized, large fortunes will

"The Eagle Harbor mining company, the 16th of May last, had raised 168,000 of plore the country from the Mississippi river, along the Missouri to the Pacific ocean .-Even then, Mr. Jefferson, with that foresight which enabled him to look far over the heads of his cotemporaries, to the immense imporand the copper regions generally, we are induced to make a few remarks relative to this very important to the surface at the time, are not included in these tance of Louisiana to the Union, perceived, across this continent, up the Missouri and statements.

The value of these ores we have not the information of some of our largest and shrewdest capitally across the Columbia, the shortest avenue to the trade of China and India, that source of wealth which had successfully raised empires can and will be turned to good account, there is no A correspondent of the New York Evening Post, and for which the Caucasian race had been

unknown. And had they never been invented, the avenue foreseen by Mr. Jefferson, mouth of the Columbia, by the common tra-and for whose exploration he sent the expe-velling route is 1,400 miles, and to the head hearty good will. Three cheers was also dition commanded by Lewis and Clarke, of its ship navigation about 1,230; and as the given to the directors; and three cheers more would have been destined hereafter to this elevation of the Pass is 7,490 feet, the descent for the queen, when the company separated trade. But if the navigation of these rivers from this point to ship navigation gives an well pleased with the demonstration, and we is to be superceded by railroads, and a more average of about 6 feet to the mile. From doubt not the good news will be hailed through direct and permanently open route is thus to the Pass to a distance of 311 miles, the de-be obtained, the superiority of Mr. Jefferson scent is 1,490 feet, or less than 5 to the mile. over his opposing cotemporaries in statesman For 234 miles more, the route is level. like foresight, is not the less conspicuous; and For 540 miles more, the surface is irregular of our exchanges, credited to the "Philosophy of the explorations of Lewis and Clarke have and the next 178 miles end at an elevation of Magic." The experiments were very severe-but

The route proposed by Mr. Whitney for his railroad, proceeds from lake Michigan, across the Mississippi above the mouth of the Wisconsin, thence across the Missouri above the mouth of the Great Platte, between the Council Bluffs and the Great Bend, a little below lat. 43, and thence to the Great South Pass, about lat. 42, 30, and thence along the valley of Lewis river, which is the southern main branch of the Columbia, to the head of ship navigation upon the latter, or to the bay of St. Francisco, as may hereafter be decided. Taking the Great South Pass as a point of departure eastward and westward, our first object is to ascertain the respective distances and elevations. According to Col. Fremont quoted in the report of Senator Breese, the elevation of the highest point in this Pass, above the gulf of Mexico, is 7,490 feet. Col. Fremont who explored the valley of the Great Platte, from its mouth to this Pass, in 1842, describes it as an open Prairie region, with stockholders in the St. Lawrence and Atlan- traordinary heat which the living body can an ascent almost or quite imperceptible by tic railroad to go on with the work, was re- bear with impunity, and favor the possibility the traveller. He was accompanied by a Mr. ceived in this town with the most lively feel- of persons passing uninjured through the Carson, who had resided in that region for ings of satisfaction. It was announced early flame, provided the body can be guarded from 17 years, who had frequently crossed the on Monday morning, that the event would be being scorched, by a non-conducting covering Pass, and was thoroughly acquainted with celebrated at noon by the firing of cannon, of an incombustible nature." the route. Yet with all his experience, he etc. Accordingly at 12 o'clock the stores was obliged to watch very closely, to ascer- and shops in town were closed, and some tain when he had reached the culminating hundreds of our citizens assembled on Flag of the lake country will nearly equal the point of the Pass through the Rocky mountains. The distance of the Great Pass to the time appointed several blasts were fired at the moment it exhibits evidence of gigantic inmouth of the Kansas, is 963 miles, and from site of the new grist mill, all the bells in town crease. It is known that the first steamboat the mouth of the Platte 882, the latter being commenced ringing, when 21 rounds were which reached Mackinaw was in 1819, and about 300 miles higher on the Missouri than fired from a cannon on a brow of the hill, in 1826 steamboats navigated lake Michigan. the former; and as the mouth of the Kansas over which the British flag was streaming in In 1833 there were on the lakes, 11 steamers, is 700 feet above the gulf of Mexico, and that the wind, accompanied by the cheers of the which cost \$360,000, and which conveyed to of the Platte a trifle more, the average ascent multitude, and answered by a cannon man- and from the lake ports 61,485 passengers. from either point to the Pass, is only about 7 aged by the boys on the north side of the In 1834 there were 18 steamboats in the trade feet to the mile. And as the distance from Magog. lake Michigan to the Pass is 1,400 miles, and After the firing ceased, Col. Moore being vessels navigated the lakes, above the falls of that between the lake and the mouth of the called upon, observed that he had never met Niagara; steamboats 52, 27,500 tons; pro-Kansus or Platte a level country, the average the people of Sherbrooke on a more pleasing pellers 8, 2,500 tons; brigs 50, 11,000 tons; ascent from the lake to the Pass does not occasion than the present. We might from schooners 270, 42,000 tons. Total 280, 76, exceed 4½ feet to the mile. According to this period date the prosperity not only of col. Fremont, the mouth of the Kansas is Sherbrooke, but of the eastern townships.—these vessels was \$4,600,000. 700 feet above the gulf; the crossing of the We have been laboring for six or eight years "In the same year there were on lake On-Republican Fork 516 miles farther, is 2,300 to obtain a railroad, but never until now, feet, giving an ascent of 43 feet to the mile; could we look upon its construction with any the ascent of the next 128 miles is 1,000 feet, degree of certainty. But the time had now estimated at 8,000. The navigation of the or about 8 to the mile; that of the next 107 happily arrived, when the work was about lakes is critical and requires great improvemiles, to St. Vrain's Fort, is 1,000 feet, or 9 to be commenced—and he would propose ment in light houses, beacons, buoys, harbors, to the mile; that of the next 80 is 1,300 feet three cheers for the success of the St. Law-etc. During the last five years more than or 16 to the mile; that of the next 18 miles rence and Atlantic railroad. The sentiment 400 lives have been lost, and last fall, during is 800 feet, or about 42 to the mile; that of the next 87 miles is 200 feet, or 2½ to the mile; that of the next 87 miles is 200 feet, or 2½ to the mile; that of the mile; that of the mile; that of the sentiment 400 lives have been lost, and last fall, during the last five years mile as the years more than 500 feet, or 2½ to the mile; that of the next 18 miles are necessary to the boisterous weather, 60 lives were lost, 36 the next 87 miles is 200 feet, or 2½ to the mile; that of the mile; that of the next 18 miles are necessary to the boisterous weather, 60 lives were lost, 36 the next 87 miles is 200 feet, or 2½ to the mile; that of the next 18 miles are necessary to the boisterous weather, 60 lives were lost, 36 the next 87 miles is 200 feet, or 2½ to the mile; that of the next 18 miles are necessary to the boisterous weather, 60 lives were lost, 36 the next 87 miles is 200 feet, or 2½ to the mile; that of the next 18 miles are necessary to the next 18 miles are necessary to the boisterous weather, 60 lives were lost, 36 the next 87 miles is 200 feet, or 2½ to the mile; that of the next 18 miles are necessary to the nex

The distance from the Great Pass to the debted for the success of the undertaking. been the basis of all subsequent examinations of the country between the Mississippi and the descent from 6,000 to 3,000 the oppressive weather we have had for the last tender of the country between the Mississippi and the Pacific.

The experiments were very seven the oppressive weather we have had for the last tender of the country between the Mississippi and the Pacific.

The experiments were very seven the oppressive weather we have had for the last tender of the country between the Mississippi and the pacific of the country between the Mississippi and the pacific of the country between the Mississippi and the pacific of the capacity of the oppressive weather we have had for the last tender of the country between the Mississippi and the oppressive weather we have had for the last tender of the country between the Mississippi and the oppressive weather we have had for the last tender of the country between the Mississippi and the oppressive weather we have had for the last tender of the country between the Mississippi and the oppressive weather we have had for the last tender of the country between the Mississippi and the oppressive weather we have had for the last tender of the country between the Mississippi and the oppressive weather we have had for the last tender of the country between the Mississippi and the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive weather we have had for the last tender of the oppressive w that of the last 178 miles is 17 feet to the mile. From this point to the foot of the Blue foucalt, clothed in flannel, was in the habitof mountains, 282 miles, the elevations and depressions give an average of 101 feet to the long enough to remove all the loaves; and mile; and the remaining distance to fort Van Dr. Brewster informs us that the late Sir couver, the head of ship navigation 303 miles gives an average of 3½ feet. All these ele-vations were taken by Col. Fremont, over the route usually travelled, though the com-broad, the temperature of which with closed

> These facts show that in a distance of 2.630 miles, from lake Michigan to fort Vancouver, the elevation of the Great South Pass, 7,490 feet, and of the intermediate points, present by 5 or 6 af his friends, entered the furnace, no obstacles to a railroad.—Phil. Ledger.

St. Lawrence and Atlantic Railroad.

has the following remarks in reference to the pros- pains in the tips of their ears and in the sep pects of the St. Lawrence and Atlantic road.

"The news of the determination of the

Power of Enduring Heat.

We find the article which follows below, in one

"The female servant of a baker in Roche entering her master's oven and remaining Francis Chantry's workmen entered the oven broad, the temperature of which with closed mittee suggest that future explorations will doors, was 350 degrees, and the iron floor red discover routes of less distances and ascents.

They were guarded against the heat of the floor by wooden clogs, which were of course, charred on the surface. On one oc casion, he adds, Mr. Chantry, accompanied and after remaining two minutes, they brought out a thermometer which stood at 320 de-The Sherbrooke, [S. C.] Gazette of the 27th ult., grees. Some of the party experienced sharp tum of the nose, while others felt a pain in their eyes. These experiments prove the ex-

"In a few years the trade and commerce which cost \$600,000. In 1845 the following

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October next, for the Grading, Masonry and Bridging required to complete that portion of the New sive and the number of hands employed being large, they are enabled to execute both large and small oreast of Port Jervis in Orange county, and the vilders with promptness and despatch.

Railroad Work. of about 133 miles.

Maps and profiles, estimates and specifications, will be found after the 10th of September in the office of the company, at New York city, where every necessary information will be given. The engineers on the line of the road will also furnish all requisite facilities to contractors desirous of examng the route.

The line will be divided into sections of convenient length for construction, and proposals in writing will be received at the New York office for the whole or any part of the work. By order of the President and Directors.
T. S. BROWN, Chief Engineer.

ance of about 30 miles.

Plans, Profiles and Specifications will be exhibited, and the requisite information given at the Engineer's Rooms in the Company's Offices, at Montreal, on or after the 15th of said month.

Persons offering to contract for the work, or any part of it, will be required to accompany their pro-

posals with satisfactory references.

By order of the Board,

THOMAS STEERS, Secretary. Office of the St. Lawrence and Atlantic R. R. Co., Montreal, 25th August, 1846.

TEW YORK AND ERIE RAILROAD CO. N The stockholders of the New York and Erie Railroad Company are hereby notified that an in-salment of Five Dollars per share on all shares on which the payments already made do not exceed 20 dollars, is required to be paid, (agreeable to the terms of subscription) at the office of the company, No. 45 Wall street, on or before the 1st day of Oc tober next. By order of the Board of Directors.

NATHANIEL MARSH, Sec'y.

New York, August 31st, 1846.

THE SUBSCRIBER IS PREPARED TO A execute at the Trenton Iron Works, orders for Railroad Iron of any required pattern, and warrantedequal in every respect in point of quality to the 12.—
best American or imported Rails. Also on hand 13.—
and made to order, Bar Iron, Braziers' and Wire 14.—

Rods, etc., etc. PETER COOPER, 17 Burling Slip. New Yor New York.

& G. HALSTON & CO., NO. 4 South Front St., Philadelphia, Pa. Have now on hand, for sale, Railroad Iron, viz: 180 tons $2\frac{1}{3} \times \frac{1}{3}$ inch Flat Punched Rails, 20 ft. long. 25 " $2\frac{1}{3} \times \frac{1}{3}$ " Flange Iron Rails.

75 " $1 \times \frac{1}{3}$ " Flat Punched Bars for Drafts in Mines. A full assortment of Railroad Spikes, Boat and Ship Spikes. They are prepared to execute orders for every description of Railroad Iron and Fixtures.

OFFICE NEW YORK AND ERIE RAILROAD CO., 45 Wall Street, New York, Aug. 28, 1846.

NOTICE IS HEREBY GIVEN, THAT PROposals will be received until the 13th day of Cetober next, for the Grading, Masonry and Bridging required to complete that portion of the New York and Erie Railroad between a point three miles

ocomotive steam engines and tenders; Driving and other locomotive wheels, axles, springs & flange tires; car wheels of cast iron, from a variety of patterns, and chills; car wheels of cast iron with wrought tires; axles of best American refined iron; springs; boxes and bolts for cars.

Cotton, Wool and Flax Machinery

of all descriptions and of the most improved patterns,

of an descriptions and of the most improved patterns, style and workmanship.

Mill gearing and Millwright work generally; hydraulic and other presses; press screws; callen-ders; lathes and tools of all kinds; iron and brass

castings of all descriptions.

ROGERS, KETCHUM & GROSVENOR,
a45 Paterson, N. J., or 60 Wall street, N. York.

OT. LAWRENCE AND ATLANTIC RAIL—Valuable Works on Engineering for Sale.

The following works, belonging to the late Wm.

R. Casey, have been deposited at this office for sale. Valuable Works on Engineering for Sale. lanic Re ilroad Company, No. 18 Little James Street, It will be seen that they comprise most of the stanthe Ci y of Montreal, until the 24th of September next, for the Grading, Masonry and Bridging, of a division of the Road, extending from the St. Lawrence River to the Village of St. Hyacinthe, a discollection, as many of them are not to be found or purchased at any price. So desirable an opportunity seldom offers for securing an excellent set of professional works.

LIST OF ENGINEERING BOOKS BElonging to W. R. Casey, deceased.

1.—The Civil Engineer and Architect's Journal,
quarto, vols. 1, 2, 4, 5 and 6, and nos. 79 to
81, and 84 to 95—remaining numbers expected from Montreal, Canada.

Railroad Journal, quarto, vols. 1, 2, 3; octavo, vols. 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 and 17; octavo vols. 18, and loose nos. to date; being nearly a complete set.

Reports and Documents, 6 or 7 octavo vols.

Tredgold's Carpentry, quarto, with plates.

Barlow on Strength and Stress of Timber, oc-

tavo, with plates. Furnbull on Iron, octavo.

7.-Nicholson's Masonry and Stone Cutting, octavo, with plates. Tredgold's Tracts on Hydraulics, octavo, with

9.—Gregory's Mathematics for Practical Men, octavo, with plates.
10.—Wood on Railroads, octavo.

11.-Pambour on Locomotives, octavo, with plates,

(Philadelphia edition.)

12.—Lecount on Railroads, octavo, with plates.

13.—Smeaton's Tracts, 1796, octavo, with plates.

14.—Seward's New London Bridge, octavo, with

plates. 15.-Storrow's Treatise on Water Works, duodecimo.

-Report on Atmospheric Railway, etc., quarto,

with plates.
17.—Gallier's Price Book and Estimator, octavo.
18.—Public Works of Great Britain, folio, \$25.
19.—Weale's Bridges, new and valuable, \$23.

The above books will be sold by the single volume, if desired, and forwarded by express, or otherwise, as directed by the purchaser.

Please address E. HEDGE, Railroad Journal Office, 23 Chambers street, New York.

timated at \$200,000. In 1825, not less than 1,500,000 bbls. of flour passed over the lakes and 250,000 passengers. At the present time the commerce of the lakes may be fairly estimated at \$100,000,000 per annum. This is in the evidence of what that commerce will be hereafter, and how necessary it is for the government to foster and protect that trade in Sha improvement of the harbors and bays."

In 1825, not less than 250,000 MARINE ENgine Boiler Builders. Pascal Iron Works, Pipes. The subscribers continue to manufacture the above Pipes, of all the sizes and strength required for City or Country use, and would invite individuals or companies to examine its merits.—
Pipes for Gas, Steam and other purposes; extra strong Tube for Hydraulic Presses; Hollow Pistons for Pumps of Steam Engines, etc. Manufacture 1 and for sale by MORRIS TASKER & MORRIS,

Warelouse S. E. corner 3d and Walnut Sts., Phila delphia.

Warelouse S. E. corner 3d and Walnut Sts., Phila delphia.

The prices are less.

EARNEY FIRE BRICK. F. W. BRINLEY, Manufacturer, Perth Amboy, N. J. Guaranteed equal to any, either domestic or foreign. Any shape or size made to order. Terms, 4 mos. from delivery of brick on board. Refer to

James P. Allaire, Peter Cooper, Murdock, Leavirt & Co. New York

J. Triplett & Son, Richmond, Va.
J. R. Anderson, Tredegar Iron Works, Richmond, Va.

J. Patton, Jr. Colwell & Co. J. M. L. & W. H. Scovill, Waterbury, Con.

J. M. L. & W. H. Scovill, Waterbury, Con.
N. E. Screw Co. Provicence, R. I.
Eagle Screw Co. Provicence, R. I.
William Parker, Supt. Bost. and Worc. R. R.
New Jersey Malleable Iron Co., Newark, N. J.
Gardiner, Harrison & Co. Newark, N. J.
25,000 to 30,000 made weekly.
35 19

RAILROAD IRON.—THE SUBSCRIBER'S New Rail Iron Mill at Phonixville, Pa., is expected to be ready to go into operation by the 1st of September, and will be capable of turning out 30 to 40 tons or finished Rails per day. They are now prepared to receive orders to that extent, deliverable after the 1st of Octobet next, for heavy rails of any pattern now in use, equal in quality and finish to

pattern now in use, equal in pest imported.

PIG IRON.—They are also receiving weekly 150 to 200 tons of No. 1 Pheenix Foundry Iron, well adapted for light castings.

REEVES, BUCK & CO,

45 North Water St., Philadelphia, or by their Agent, ROBT. NICHOLS,

79 Water St., New York.

RAILROAD SCALES.—THE ATTEN-tion of Railroad Companies is particularly re-quested to Ellicotts' Scales, made for weighing loaded cars in trains, or singly, they have been the inventors, and the first to make platform scales in the United States; supposing that an experience of 20 years has given a knowledge and superior advantage in the business.

The levers of our scales are made of wrought iron, all the bearers and fulcrums are made of the best cast steel, laid on blocks of granite, extending across the pit, the upper part of the scale only being made of wood. E. Ellicott has made the largest Railroad Scale in the world, its extreme length was one hundred and twenty feet, capable of weighing ten loaded cars at a single draft. It was put on the Mine Hill and Schuylkill Haven Railroad.

We are prepared to make scales of any size to weigh from five pounds to two hundred tons.

ELLICOTT & ABBOTT.

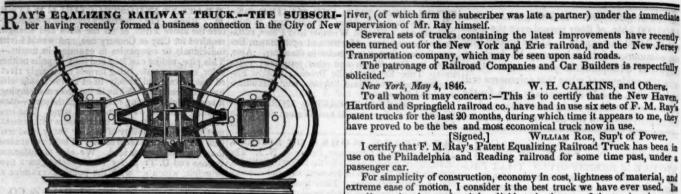
Factory, 9th street, near Coates, cor. Melon st.
Office, No. 3 North 5th street, Philadelphia, Pa.

PRING STEEL FOR LOCOMOTIVES,
Tenders and Cars. The Subscriber is engagep in manufacturing Spring Steel from 14 to 6 inches in width, and of any thickness required: large quantities are yearly furnished for railroad purposes, and wherever used, its quality has been approved of. The establishment being large, can execute orders with great promptitude, at reasonable prices, and the quality warranted. Address

JOAN F. WINSLOW, Agent,

1y Albany Iron and Nail Works,

119



York, expressly for the manufacture of the newly patented and highly approved Railroad Truck of Mr. Fowler M. Ray, is ready to receive orders for building the same, from Railroad Companies and Car Builders in the United

The above Truck has now been in use from one to two years on several roads a sufficient length of time to test its durability, and other good qualities, and to satisfy those who have used it, as may be seen by reference to the certificates which follow this notice.

There have been several improvements lately introduced upon the Truck, There have been several improvements lately introduced upon the Truck, such as additional springs in the bolsier of passenger cars, making them delightful riding cars—adapting it to tenders, trucks forward of the locomotive, and freight cars, which, with its original good qualities, make it in all respects the most desirable truck now offered to the public.

Orders for the above, will, for the present, be executed at the New York Screw Mill, corner 33d street and 3d avenue, (late P. Cooper's rolling mills) and at the Steam Engine Shop of T. F. Secor & Co., foot of 9th street, East

New York, May 4, 1846. W. H. CALKINS, and Others. New York, May 4, 1846.

To all whom it may concern:—This is to certify that the New Haven, Hartford and Springfield railroad co., have had in use six sets of F. M. Ray's patent trucks for the last 20 months, during which time it appears to me, they have proved to be the bes and most economical truck now in use.

[Signed.]

WILLIAM ROE, Sup't of Power.

I certify that F. M. Ray's Patent Equalizing Railroad Truck has been in use on the Philadelphia and Reading railroad for some time past, under a

passenger car.
For simplicity of construction, economy in cost, lightness of material, and extreme ease of motion, I consider it the best truck we have ever used. Its peculiar make also renders it less liable to be thrown off the track, when passing over any obstruction. We intend using it extensively under the passenger and freight cars of the above road.

Reading, Pa., October 6, 1845. [Signed,] G. A. Nicoll, Sup.t Transportation, etc., Philadelphia and Reading Railroad, To all whom it may concern:—This is to certify that the N. Jersey Railroad and Transportation company have used Fowler M. Ray's Truck for the less every growths, during which times these operated to our entire satisfaction.

road and Transportation company have used Fowler M. Ray's Truck for the last seven months, during which time it has operated to our entire satisfaction. I have no hesitation in saying that it is the simplest and most economical truck now in use.

[Signed,] T. L. Smith,

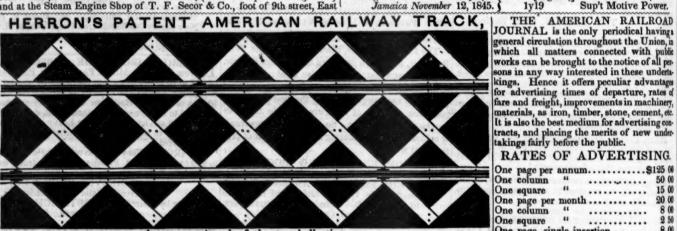
Jersey City, November 4, 1845. N. Jersey Railroad and Transp. Co.

This is to certify that F. M. Ray's Patent Equalizing Railroad Truck has been in use on the Long Island railroad for the last year, under a freight car.

For simplicity of construction, economy in cost, lightness of material and ease of motion, I consider it equal to any truck we have in use.

Long Island Railroad Depot,

Jamaica November 12, 1845. 1919 Sup't Motive Power.



As seen stripped of the top ballasting

ERRON'S IMPROVEMENTS IN RAILway Superstructure effect a large aggregate sav ing in the working expenses, and maintenance of rail-ways, compared with the best tracks in use. This saving ing in the working expenses, and maintenance of rail-ways, compared with the best tracks in use. This saving is effected—ist, Directly by the amount of the increased load that will be hauled by a locomotive, owing to the superior evenness of surface, of line and of joint. This gain alone may amount to 20 per cent. or. the usual load of an engine.—2d, In consequence of the thorough combination, bracing, and large bearing surface of this track, it will be maintained in a better condition than any other track in use, at about one-third the expense.—3d, As action and reaction are equal, a corresponding saving of about two-thirds will be effected in the wear and tear of the engines and cars, by the even surface and elastic structure of the track.—4th, The great security to life, and less liability to accident or damage, should the engine or cars be thrown off the rails.—5th, The absence of jar and vibration, that shake down retaining walls, embankments and bridges.—6th, The great advantage of the high speed that may be safely attained, with ease of motion, reduction of noise, and consequently increased comfort to the traveller.—7th, The really permanent and perfect character of the Way, insuring regularity of transit. To which may be added the great increase of travel, that would be induced by the foregoing qualities to augment the revenue of the railroad.

The cost of the Patent track will depend on the quantity and cost of iron and other materials: but it will not

The cost of the Patent track will depend on the quantity and cost of iron and other materials; but it will not exceed, even including the preservation of the timber, the average cost of the tracks on our principal railroads. Generally, the timber structure, fastenings and workmanship, exclusive of the cost of the iron rails, will be from \$2,300 to \$4,000 per mile. On this structure, rails of from 40 to 50 lbs. per yard, will be equa! in effect to

of the top ballasting

160 and 70 lbs. rails laid in the usual way. The proprietors of a road, furnishing approved materials in the first instance, the undersigned will construct the track on his p.an. n i. he most perfect manner, with recent in provements, for one thonsand dollars per mile. And he will farther contract to maintain said track for the perist od of ten years, furnishing such preserved timber and iron fastenings as may be required, and keeping said track in perfect adjustment, under any trade not exceed works, Troy, N. Y. (See Adv.) ager transportrion, for Two hundred dollars per mile per annum. To insure the faithful performance of the such and the contract, he will pledge one-fourthal he cost of construction, with the accruing interest vereon, regularly vested, until the completion of the co. ract. So that a company, by securing payment to the un. *prigned at the specified period, will have only 8750 per mile to pay for the workmanship on the track, without any charg being made from the large margin of profits that will result from its use.

No. 277 South Tenth St., Philadelphia.

No. 277 South Tenth St., Philadelphia.

A general average of the repairs done on six of the most successful railroads in this country, for a period of from six to eight years use has been found to exceed \$625 STILLMAN, ALLEN & Co., N. Y. tons per annum. When a road exceeds that quantity, the repairs due to the additional tonnage, up to 200,000 from swill be charged at one mill per ton; over the latter, and not exceeding 300,000 tons, nine-tenths of a mill, and not exceeding and the contract on maintain, a large reduction upon those rates will be made.

No. 247 South Tenth St., Philadelphia, Pa. (See Adv.)

Set TH ADAMS, Engineer, South Boston from six to eight years use has been found to exceed \$625 STILLMAN, ALLEN & Co., N. Y. 141 Specified per annum, exclusive of renewal of rails. But the repairs due to the additional tonnage, up to 200,000 from the per annum, exclusive of renewal of rails. But the repairs due to the

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Works,

PATENT HAMMERED RAILROAD, SHIP FRENCH AND BAILO'S PATENT SPARK ARRESTER

RENCH AND BAILO'S PATENT SPARK ARRESTER

**PATENT HAMMERED RAILROAD, SHIP RAND BOAT Spikes from 3 to 19 inches in length, and of any form decided to the subscriber of the silve prompty of the subscriber of

BENTLEY'S PATENT TUBULAR STEAM BOILER. The above named Boiler is similar in principle to the Locomotive boilers in use on ou Railroads. This particular method was invented by Charles W. Bentiey, of Baltimore, Md., who has obtained a patent for the same from the Paten Office of the United States, under date of September 1st, 1843—and they are now already in successful operation in several of our larger Hotels and Public Institutions, Colleges, Alms Houses, Hospitals and Prisons, for cooking, washing, etc.; for Bath houses, Hatters, Silk, Cotton and Woollen Dyers, Morocco gressers, Soap boilers, Tallow chandlers, Pork butchers, Glue makers, Sugar refiners, Farmers, Distillers, Cotton and Woollen mills, Warming Buildings, and for Propelling Power, etc., etc.; and thus far have given the most entire satisfaction, may be had of D. K. MINOR, 23 Chambers st. New York.

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DAVENPORT & BRIDGES CONTINUE TO MANUFACTURE TO ORDER, AT THEIR WORKS, IN CAMBRIDGEPORT, MASS. Passenger and Freight Cars of every description, and of the most improved pattern. They also furnish Snow Ploughs and Chilled Wheels of any pattern and size. Forged Axles, Springs, Boxes and Bolts for Cars at the lowest prices. All orders punctually executed and forwarded to any part of the country Our Works are within fifteen minutes ride from State street, Boston—coaches pass every fifteen minutes.

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PASCAL IRON WORKS.

WELDED WROUGHT IRON TUBES



TASKER & MORRIS. PHILADELPHIA.



No 23 Pear street, 1y10 near Third,

below Walnut, Philadelphia.

VALUABLE PROPERTY ON THE MILL Dam For Sale. A lot of land on Gravelly Point, so called, on the Mill Dam, in Roxbury, fronting on and east of Parker street, containing 68,497 square feet, with the following buildings

20

pattern shop. Forge shop, 118 feet long by 44 feet wide on the ground floor, with two large water wheels, each 16 feet long, 9 ft diameter, with all the gearing, shafts, drums, pulleys, &c., large and small trip hammers, furnaces, forges, rolling mill, with large balance

wheel and a large blowing apparatus for the foundry. Foundry, at end of main brick building, 60x45½ reet two stories high, with a shed part 45½x20 feet, containing a large air furnace, cupola, crane and corn oven.

Store house-a range of buildings for storage, etc.

200 feet long by 20 wide.

Locomotive shop, adjoining main building, fronting on Parker street, 54x25 feet.

Also—A lot of land on the canal, west side o Parker st., containing 6000 feet, with the following buildings thereon standing:

Boiler house 50 feet long by 30 feet wide, two sto-

Boiler house 50 feet long by 30 feet wide, two sto-

ed Fire Bricks and prepared Adolli of File Cla orders for which are promptly supplied. SAM'L. KIMBER, & CO., 59 North Wharves, Jan. 14, 1846. [1y4] Philadelphia, Pa.

ENGLISH PATENT WIRE ROPES—FOR THE USE OF MINES, RAILWAYS, ETC.

These Ropes are manufactured on an entirely different principle from any other, and are now almost exclusively used in the collicries and on the railways in Great Britain, where they are considered to be greatly superior to hempen ones, or iron chains, as regards safety, durability and economy. The plan upon which they are made effectually secures them from corrosion in the interior, as well as the exterior of the rope, and gives a greater compactness and elasticity than is found in any other manu-

facture.

Many of these ropes have been in constant operation in the different mines in England, and on the Blackwall and other inclined planes, for three and four years, and are still in good condition.

They have been applied to almost every purpose for which hempen ropes have been used—mines, heavy cranes, standing rigging, window cords, lightning conductors, signal halyards, tiller ropes, etc, Reference is made to the annexed statement for the relative strength and size. Testimonials from the most eminent engineers in England can be shown as to their efficiency, and any additional information required respecting the different descriptions and application will be given by

ALFRED L. KEMP,

75 Broad street, New York, sole agent in the United States.

Statement of Trial made at the Woolwich Royal Dock Yard, of the Patent Wire Ropes, as compared with Hempen Ropes and Iron Chains of the same strength.—October, 1841.

WIRE ROPES,					N ROPES		CHA	STRENGTH.	
Wire gauge number.	Circumference of rope.	Weight per fathom.		Circumference of rope.	Weight per fathom.		Weight per fathom.	Diameter of iron.	Tons,
11 13	INCH. 41 31	LBS. 13 8	oz. 5 3	INCH. 10 81	LBS. 24 16	oz.	LBS. 50 27	INCH. 15-16 11-16	20
14 15 16	31 21 21	6 5 4	11 2 3	7± 61 6	12 9 8	8 4 8	17 131 101	9-16 1-2 7-16	101

The working load, with a perpendicular lift, may be taken at 6 cwt. for every tb. weight per fathom, we that a rope weighing 5 lbs. per fathom would safely lift 3360 lbs., and so on in proportion. N.B.

NICOLL'S PATENT SAFETY SWITCH for Railroad Turnouts. This invention, for some time in successful operation on one of the principal railroads in the country, effectually prevents engines and their trains from running off the track

at a switch, left wrong by accident or design.

It acts independently of the main track rails, being laid down, or removed, without cutting or displacing them.

It is never touched by passing trains, except when in use, preventing their running off the track. It is simple in its construction and operation, requiring only two Castings and two Rails; the latter, even it thereon standing.

Main brick building, 120 feet long, by 46 ft wide, two stories high. A machine shop, 47x43 feet, with large engine, face, screw, and other lathes, suitable to do any kind of work.

Pattern shop, 35x32 fe, with lathes, work benches, Work shop, 86x35 feet, on the same floor with the latter shop, 35x32 fe, with lathes, work benches, work shop, 86x35 feet, on the same floor with the latter shop as and two Rails; the latter, even it much worn or used, not objectionable.

Working Models of the Safety Switch may be seen at Messrs. Davenport and Bridges, Cambridge-port, Mass., and at the office of the Railroad Journal, we work the standing their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation, requiring their running off the track. It is imple in its construction and operation and the running off th

port, Mass., and at the office of the Railroad Journal New York.

Plans, Specifications, and all information obtained

AWRENCE'S ROSENDALE HYDRA-ulic Cement. This cement is warranted equal to any manufactured in this country, and has been pronounced superior to Francis' "Roman." Its value for Aqueducts, Locks, Bridges, Flooms and all Masonry exposed to dampness, is well known, as it sets immediately under water, and increases in

as it sets immediately under water, and increases in solidity for years.

For sale in lots to suit purchasers, in tight papered barrels, by

JOHN W. LAWRENCE,

142 Front street, New York.

Torders for the above will be received and promptly attended to at this office.

32 17

Boiler house 50 feet long by 30 feet wide, two stories.

Blacksmith shop, 49 feet long by 20 feet wide. For terms, apply to HENRY ANDREWS, 48 State st., or to CURTIS, LEAVENS & CO., 106 State st., Boston, or to A. & G. RALSTON & Co., Panuadelphia.

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Have now a supply, and respectfully solicit the patronage of persons engaged in the making of Machinery, tor which purpose the above makes of Pig Iron are particularly adapted.

They are also sole Agents for Wa'son's celebrated Fire Bricks and prepared Kaolin or Fire Clay, orders for which are promptly supplied.

SAM'L. KIMBER, & CO., 59 North Wharves, 12 Mill Machinery; Mill Gearing and Mill Wright work of all kinds; Steam Saw Mills of simple and Connomical construction, and very effective large and Brass Continue, and Rass Construction, and very effective large and Brass Construction, and very effective large and economical construction, and very effective large and Brass Construction, and very effective large and economical construction, and very effective large and Brass Construction and very effective large and Brass Construction and very effective large and economical construction, and very effective large and economical construction. ple and economical construction, and very effective fron and Brass Castings of all descripions.

BALLARD'S NEWLY IM-proved Patent Jack Screw,

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The advantages of this Jack Screw for Stonequarries, Railroads, Steam Boiler Builders, and other purposes, are superior to any other machine.

The improvement consists in being able to use either end of the Screw, as occasion requires.

It is capable of raising the heaviest Locomotive with ease, being portable, strong and powerful, and not likely to get out of order.

Many Railroad Companies and Boiler makers have them in use, by whom they are highly recommend

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We the undersigned have used Ballard's Jack Screw on our Railroad and for other purposes, and we consider them superior to any other machine that we have had.

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LAP-WELDED WROUGHT IRON TUBES

FOR

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FROM 1 1-4 TO 6 INCHES DIAMETER, and

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These Tubes are of the same quality and manufacture as those so extensively used in England, Scotland, France and Germany, for Locomotive, Marine and other Steam Engine Boilers.

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